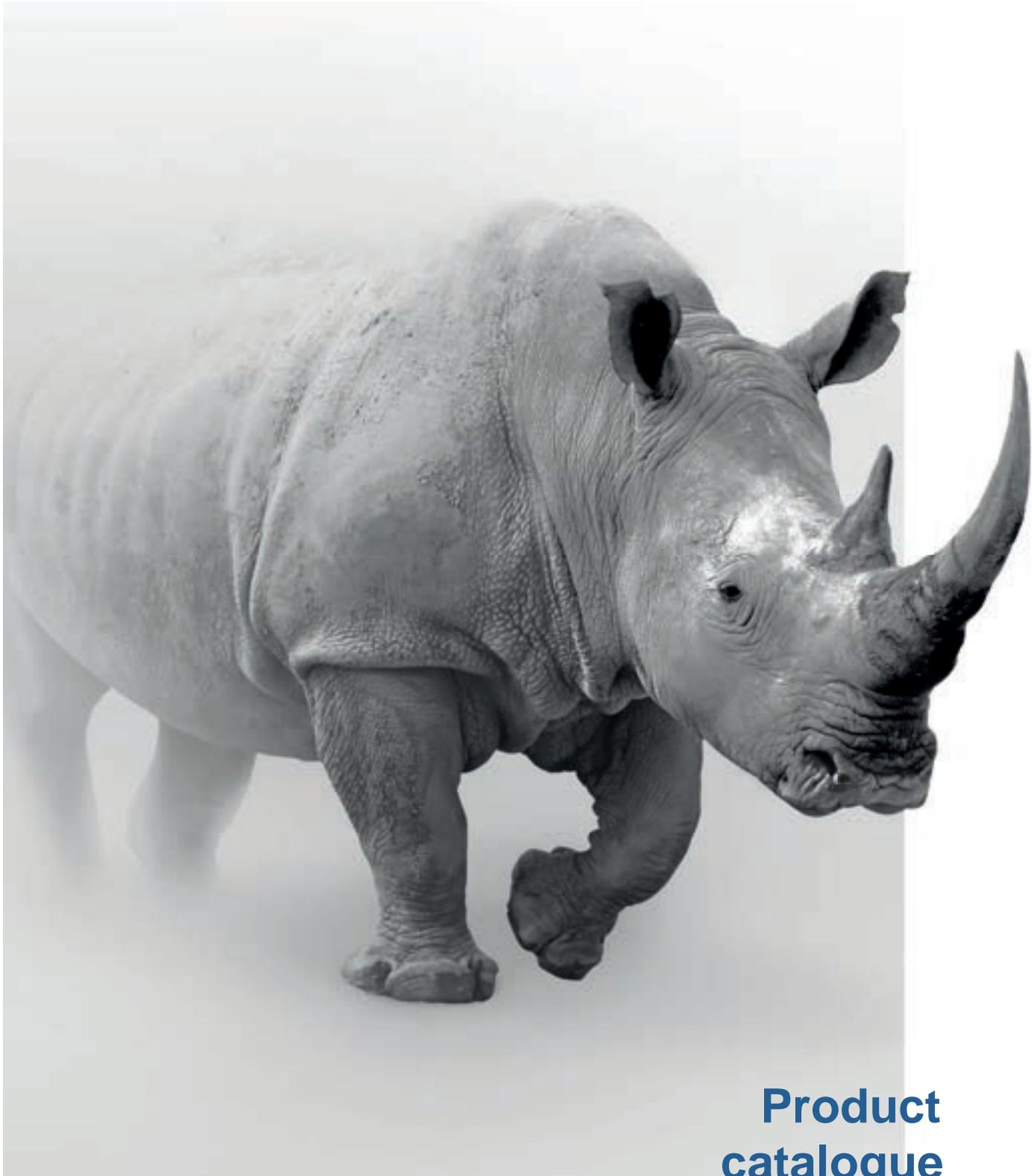


DOSANOVA

Professional cleaning systems.



Product catalogue

Edition 2022.1



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Centrifugal E booster units.



Dosanova Pressure Boosters are pump units that give an extra boost to the cleaning process.

Dosanova E - Stationary Booster pump, is designed for cleaning with pressurized water and is to be connected to a number of Dosanova central or decentral satellites.

The E-booster pump is especially appropriate for cleaning applications in food processing, e.g. in dairies, breweries, fish industries, prepared food industries, industrial kitchens and other places where a high level of hygiene is required.

Flexibility in pressure 10-25 bar and flow.

Constant pressure on outgoing media.

Optimal energy consumption.

Stainless steel Floor-standing unit.

Unit is intended for central placement (non-production areas).

Both water supply from tank and pressurized (1-6 bar) is possible.

Low maintenance costs.

Alarm Feature for low pressure water pressure is standard on all units.

When feeding from tank is the possibility for connection to the float switch.

The E - Boosters supplies pressurized water to satellites and frequency controlled pumps built in the units guarantee smooth and even water pressure during the whole cleaning process.

The frequency-controlled pumps are equipped as standard with the following parts:

Stainless steel skid.

Stainless steel shut-off valves on in and outlet.

Stainless steel pipework

Stainless steel check valve(s)

Stainless steel dry running protection.

Stainless steel pressure gauges on in and outlet.

Stainless steel pressure capture sensor.

Stainless steel booster pump(s).

IE5 motor, in accordance with IEC 60034-30-2.

Frequency inverter and a PI controller in the motor terminal box.

Accumulator.

On/Off Switch.

Grundfos "GO" Remote.

Plug & play delivery.

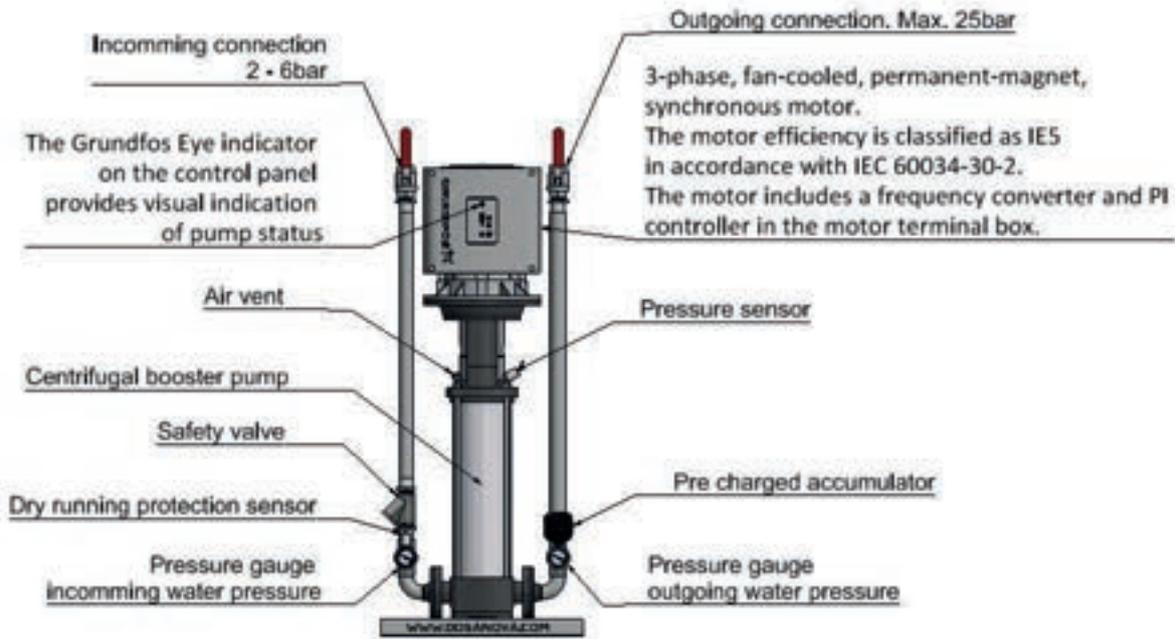


All parts on motor, pump frequency control are original Grundfos parts.

This makes world-wide Grundfos service possible.



Building method:



Standard Dosanova E Booster Units.

	Reference	961.080E	961.120E	961.150E	961.300E	961.450E	961.600E
Outgoing pressure	Bar	20-25	20-25	20-25	20-25	20-25	20-25
Flow capacity	Liter/min.	80	120	165	330	495	660
Simultaneous Users.		1/3	1/4	1/6	1/10	1/15	1/20
Inlet	Inch	1 1/4	1 1/4	1 1/2	2 1/2	2 1/2	2 1/2
Supply pressure	Bar	2-6	2-6	2-6	2-6	2-6	2-6
Max. temperature	C°	70	70	70	70	70	70
Outlet	Inch	1 1/4	1 1/4	1 1/2	1 1/2	3"	3"
Voltage	Volt	3x400	3x400	3x400	3x400	3x400	3x400
Power	kW	4	6	7.5	15	22.5	30

On demand we construct analogue centrifugal boosters.



For some applications where there is no variation in the water flow. In this case we produce analogue centrifugal booster.

The analogue pumps are equipped as standard with the following parts:

- Stainless steel skid.
- Stainless steel shut-off valves on in and outlet, check valve on inlet.
- Stainless steel pipework.
- Stainless steel pressure gauges on in and outlet.
- Pressure capture sensor for automatic start/stop.
- Stainless steel booster pump(s).
- IE5 motor , in accordance with IEC 60034-30-2.
- Accumulator, On/off switch, Plug & play delivery.



Triplex boosters



Dosanova is a manufacturer of quality, industrial, positive displacement, triplex piston and plunger pumps and custom engineered pumping systems with years of experience in industrial high pressure systems.

We offer a complete range of piston and plunger pumps from 20 to 690 bar and from 10 up to 315 l/min.

Our pumps are triplex, high-pressure, liquid pumps known around the world as dependable, continuous duty, long-life pumps and they are pumping in thousands of applications.

Dosanova pumps are equipped with:

- Ground pistons for smoother stroke and better oil-tightness.
 - Oversized shaft and long end section for better torque transmission.
 - Extra-thick ceramic pistons for greater durability.
 - Intake and delivery valves with larger water passages.
 - Rods made of a special alloy antifriction.
 - Forged pump head, designed for strength.
 - Double gasket sealing system – On Demand high temperature seals 85°C
 - Tapered roller bearings with high resistance.
 - Body of the pump designed for long-term durability.
- High performance, low maintenance and reliability are guaranteed by quality materials that ensure a long life.



Why Using Dosanova Triplex pumps?

Calculation of cleaning power impact and water consumption:

	Low pressure	High pressure
Water power x flow rate Lpm:	20bar x 30Lpm = 600 cleaning power	60bar x 20Lpm = 1.200 cleaning power

The high pressure automatic cleaning system can reduce the water consumption with 30% with double cleaning power impact. The choice of water pressure = the choice of water consumption.



Example of installation HPJET30 booster pump with 2 simulations users.

Both users are 100% independent from each other.

Water pressure can be set per user.

Foam cleaning without the need of compressed air.

Up to 60 meter of cleaning hose without pressure or foam quality loss.

Unlimited satellite or hose reel tapping points.



Triplex boosters.

HPJET series

Stationary Triplex pressure unit with hygienic stainless steel cabinet and integrated satellite for 2 chemicals and rinse.



Reference	100.140	100.144TMM	100.146TMM
Model	HPJET10	HPJET15	HPJET30
Inlet supply pressure:	2 - 6 bar	2 - 6 bar	2 - 6 bar
Minimal supply flow:	15Lpm	20Lpm	35Lpm
Outlet flow range:	10 Lpm	15 Lpm	30 Lpm
*Max. water temperature:	45°C	85°C	85°C
Rinse pressure:	20-200 bar	20-200 bar	40-200 bar
Chemical injectors:	2	2	2
Chemical dosing ratio:	0.15 - 15%	0.15 - 15%	0.15 - 15%
Functions:	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse
Voltage:	1x220V 50Hz	3x400V 50Hz	3x400V 50Hz
Dimensions mm (WxHxD):	950x540x455mm	950x540x455mm	950x540x455mm
Power:	2.5 kW	5.5kW	11Kw
Accessories type:	●	●	●

All HPJET15 and HPJET30 units are standard delivered with:

Stainless steel chassis and cover with sloop roof for optimal hygiene.

Elastic coupling between motor and shaft for a smooth transfer and power distribution.

Stainless steel brake tank.

Dry running protection.

Pressure regulator with bypass unit.

TST: automatically stops the machine (in standby)after 25 Sec. use.

SBS: automatically complete shut off after 60min in total stop.

DSS: Drop stop system, Total stop system if there are leakages.

SWI: security water level system. Stops the machine in case of water lack.

Stainless steel wall support.

Yellow suction hose kit for disinfection concentrate.

Bleu suction hose kit for foam cleaning concentrate.

8 Chemical dosing regulator tips.

± 5 meter of power cable.



Triplex boosters.

KS series



Stackable stationary boosters pumps.

Groups stationary cold water KS series are designed to ensure professional results and daily use and continued.

The KS Booster pump, is designed for cleaning with pressurized water and is to be connected to a number of Dosanova central or decentral satellites.

- Flexibility in pressure 20-200 bar and flow.
- Constant pressure on outgoing media.
- Optimal energy consumption.
- Stainless steel frame
- Unit is intended for central placement (non-production areas).
- Both water supply from tank and pressurized water (1-6 bar) is possible.
- Low maintenance costs. .
- When feeding from tank, there is a possibility for connection to the float switch.
- MEC series electric induction motor, S1 continuous duty with thermal protection integrated on the windings.
- Motor with high efficiency, therefore, with high performance and lower power consumption. Elastic coupling.
- Inline professional Triplex pump (with connecting rods), and ceramic pistons.
- Internal hour counter
- Damper, pressure regulator with bypass unit.
- TST: automatically stops the machine (in standby)after 25 Sec. use.



Reference	3.023.14.407	3.023.14.411
Model	KS400TST	KS600TST
Inlet supply pressure:	2 - 6 bar	2 - 6 bar
Minimal supply flow:	20Lpm	35Lpm
Outlet flow range:	15 Lpm	30 Lpm
*Max. water temperature:	85°C	85°C
Rinse pressure:	20-200 bar	20-200 bar
Voltage:	3x400V 50Hz	3x400V 50Hz
Dimensions mm (WxHxD):	750x600x770mm	750x600x770mm
Weight (Kg):	70	96
Power:	5.5 kW	11Kw
Accessories type:	●	●



Triplex boosters for tank cleaning

Mobile tank, vessel and belt cleaner series

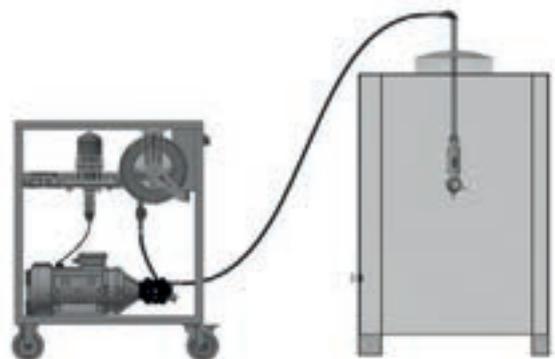
The mobile tank cleaner unit is specially designed for the cleaning of the inside of tanks, IBC's, and other difficult places to reach where a rotating cleaning head can't.

Next to tank cleaning the unit can also be used as a automatic belt cleaner or heavy duty washing station for external cleaning with foam and disinfection options.



Reference	Ref. 110.100 – Type FR	Ref. 110.110 Type FFR
Water supply:	G 1 ¼"	G 1 ¼"
Minimal water supply:	80litre /minute	80 litre /minute
Water temperature supply:	0 – 40°C	0 – 40°C
Automatically shut off pressure when water pressure is to low:	1,5bar.	1,5bar.
Electrical supply:	3 x 400V / 50Hz	3 x 400V / 50Hz
Power:	22kW / 40 Amp	22kW / 40 Amp
Functions:	<ul style="list-style-type: none"> • Foam cleaning • Clear water rinse 	<ul style="list-style-type: none"> • Foam cleaning • Clear water rinse • Disinfection
Dosing ratio foam cleaning:	0,5 – 5%	0,5 – 5%
Dosing ratio Disinfection:	0,2 – 2%	0,2 – 2%
Length was down hose from unit:	20 meter.	20 meter.
Adjustable work pressure	20 - 175bar	20 - 175bar
Max. water flow:	63 litre	63 litre
Accessories type:	•	•

- Adjustable Logo program shuts down the pump when program is finished.
- Transformer to 24V.
- Emergency switch with special relay's.
- Amplifier remote control and receiver.
- Single or Double By pass system with stainless steel.
- Foam chemical, rinse, disinfection selection.
- Hydraulic dosing injection according water passage.
- Stainless steel self-retracting automatic hose reel.
- Dry running protection.
- Stainless steel canister holders.





Multi user triplex booster pumps

Skid with float tank for multi-pumps

Industrial stationary high pressure units, with an automatic start-stop system with delay by a flow and pressure sensor, built into a robust stainless steel frame, equipped with a float tank, feeding pump, pressure sensors, automatic bypass and safety valves, Siemens PLC, inverters, flow sensors... Standard up till 85°C water inlet.

These industrial stationary high pressure units have unlimited possibilities for different applications for professional and industrial use.

Available starting from 2 up till 8 pumps (see motor pump selection here under).



Motor Pump selection for skid.

Industrial Triplex pump with ground pistons for smoother stroke, oversized shaft and long end section for better transmission, extra thick ceramic pistons, double gasket sealing system.

High efficiency MEC series S1 motor with ball bearing and single crown, thermal protection for over loaded protection.

Elastic coupling between motor and pump.

Pump type	Max. temperature in C°.	Working pressure - bar	Water flow Liter/minute	RPM	Motor Power kW
PM15150	45	20 - 150	15	1450	5,5
TPM15150	85	20 - 150	15	1450	5,5
MM21150	45	20 - 150	21	1450	7,5
TMM21150	85	20 - 150	21	1450	7,5
GM30200	45	20 - 200	30	1450	11
TGM30200	85	20 - 200	30	1450	11
GM63150	45	20 - 150	63	1450	22
TGM63150	85	20 - 150	63	1450	22

Contact us for price request.



Triplex boosters with internal heater

WSF Series

WSF hot water Stationary Booster pump, is designed for cleaning with pressurized water and is to be connected to a number of Dosanova central or decentral satellites.

The hot water Triplex pump is especially appropriate for cleaning applications in food processing, e.g. in dairies, breweries, fish industries, prepared food industries, industrial kitchens and other places where a high level of hygiene is required.



WSF stationary boosters offer considerable advantages

- MEC series electric induction motor, S1 continuous duty with thermal protection integrated on the windings. Motor with high efficiency, therefore, with high performance and lower power consumption. Elastic coupling.
- 10 L water tank with level control against dry running.
- Automatic By-pass valve for pressure regulation.
- Safety valve for overpressure.
- Indicators of control voltage and fuel reserve.
- Diesel boiler with stainless steel coil and steel pipe with burner block in case of lack of water.
- Stainless steel frame and cover.
- Fan with independent motor.
- Thermostat for water temperature control.
- Anti-seize diesel pump.
- Floater level control fuel.
- TST/DSS systems (or TVS system on demand).
- Hour counting Display.
- Flame control.
- Optimal Remote control.

*Optional mobile version with automatic hose reel and double chemical injection with rinsing bypass.



Reference	Bar	Lpm	HP (kW)	Rpm	Volts/Hz	Accessories type:
3.023.24.333	200	15	7,5 (5,5)	1450	400 – 3 (50)	●
3.023.24.335	200	21	10 (7,5)	1450	400 – 3 (50)	●
3.023.24.209	200	30	15 (11)	1450	400 – 3 (50)	●



Main stations

Stand-alone system with integrated booster pump

Click & clean LPJET – Main station with integrated cleaning satellite.



3-in-1 cleaning solution functioning as a workstation supplied with boosted water by an integrated pump.

The pump boosts water up to max. 16 bar. The unit requires connection to the main water supply (2-8 bar) and compressed air.

LPJET main station can administer two detergents or disinfectants.

It performs rinsing, foam application and disinfection.

It is applicable in decentral open plant cleaning solutions.

Available in a range of different voltages, currents and threads.

Click & clean LPJET units are equipped with:

Stainless steel Grundfos booster pump, with Bleu Flux "best efficiency" label.

Flow manager for automatic on/off switch.

Direct mechanical selector valve for water, chemicals and air, equipped with extreme resistant Kalrez seals.

2 separated chemical injectors with adjustable dosing ratio (0.15-15%) and suction hoses for chemicals and disinfectant.

Air regulator.

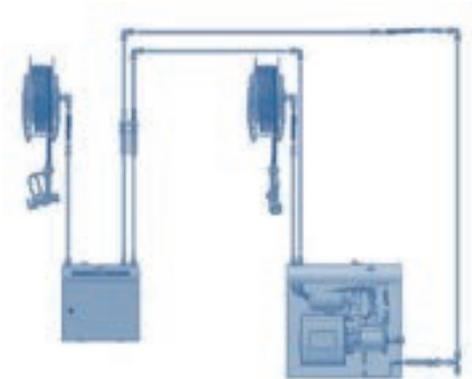
Lockable stainless steel cabinet, with sloped top cover for optimal hygiene.

Water connection to provide pressure to other Click & Clean satellites (only on LPJET 14 model).

Dry running protection.

Double security check valve, security system with warning system when failing.

	LPJET 9 Ref.100.130	LPJET 14 Ref. 100.132
Technical data		
Water inlet connection:	1"BSP	1"BSP
Required inlet supply pressure:	2 - 6 bar	2 - 6 bar
Required minimal inlet flow:	35 l/min.	65 l/min.
Max. water temperature:	80°C	80°C
Max. outgoing pressure:	16 bar	18 bar
Air inlet connection:	1/4"BSP	1/4"BSP
Required air supply pressure:	1 - 6 bar	1 - 6 bar
Max no of users simultaneously:	1	2
Chemical dilution:	2	2
Chemical injectors(100% separated)	2	2
Chemical dosing ratio:	0.15 – 15%	0.15 – 15%
Voltage (50Hz)	1 x 230V	3 x 400V
Power:	1.5 kW	3,2 kW frequency drive
Cabinet dimensions in cm (W x H x D):	50 x 45 x 25	60 x 60 x 25
Accessories type:	●	●



LPJET14 configuration, creating a water pressure network of cleaning points through other satellites.



Click & clean LPJET 9 Mobile version:

The Click & clean LPJET9 and LPJET14 can be delivered in a mobile version on the Dosanova heavy duty trolley. Ideal for cleaning and disinfection of open spaces.

Click & clean LPJET mobile is standard equipped with:

Heavy duty trolley with 2 big wheels on the back, 2 swivel wheels on the front, with double brake and container holder for 2 x 25liter canisters.

Stainless steel automatic hose reel with 20m Foodflex cleaning hose. Isolated ball valve and foam, disinfection and rinse nozzle. 5 meter electric cable.

Advantages LPJET units:

Easy installation:

Connected directly to city water tap without extra piping costs.
Connected to 220V (LPJET9) or 3 x 400V (LPJET14) electricity network

Performance:

Delivers perfect foam quality and the integrated pump creates enough water power for the daily cleaning and disinfection of bakeries, butchers, large kitchens and high care zones.

Quality:

High quality materials with great chemical resistance and ultra-hygienic design.





Rhinojet – Main station with integrated cleaning satellite.

The Rhinojet main station is a self-standing unit with stainless steel frequency controlled booster pump that generates 25 bar water pressure to the integrated satellite and other connected satellites who are on the network of cleaning points throughout the food plant.

The Rhinojet main station is standard equipped with an integral satellite. With a single lever the operator can change between the different medias. Only compressed air, water and electric power are to be connected to the unit.

Functions:

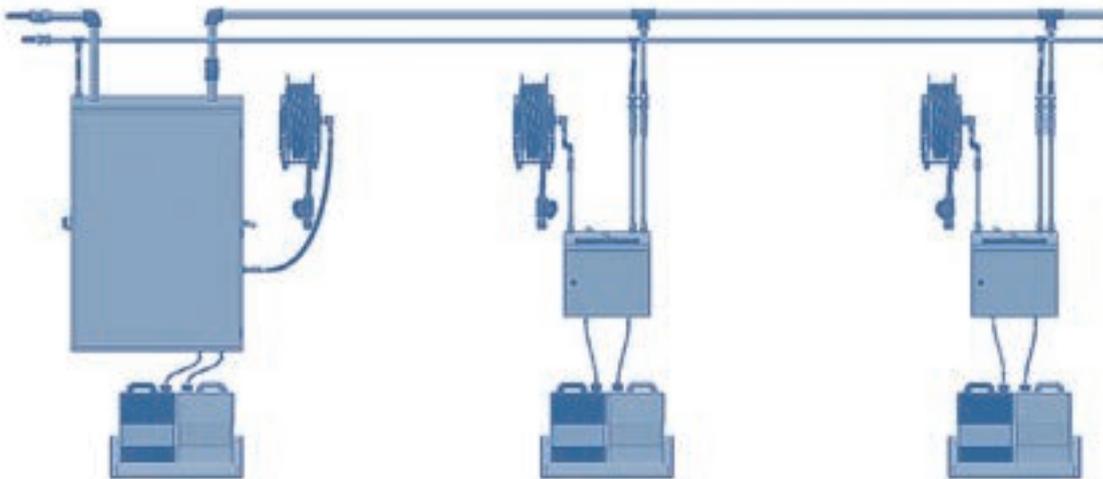
- Foam cleaning
- Foam disinfection
- Clear water rinse

Click & clean Rhinojet wall mounting units are standard equipped with:

- Stainless steel Grundfos booster pump AISI316 , with Bleu Flux "best efficiency " label and Frequency controller.
- Stainless steel Maintenance free selector valve for water, chemicals and air.
- 2 separated chemical injectors with adjustable dosing ratio (0.15-15%) who makes it impossible to mix-up chemicals.
- Air regulator.
- Air manometer.
- Lockable stainless steel cabinet, with sloped top cover for optimal hygiene.
- Dry running protector.
- 1 x Stainless steel check valve on water supply.
- 2 x stainless steel check valves with extreme **chemical resistant Kalrez seals** on chemical suction.
- 1 x stainless steel check valve for air supply protection.
- 1 x Check valve with detector when first check valve is failing.
- 1 x bleu suction kit with filter and PVC pipe for foam cleaning chemical.
- 1 x yellow suction kit with filter and PVC pipe for disinfection chemical.
- Set Of dosing tips.
- Exit with water boosted pressure to supply other Click & clean satellites.



Mounting example. Rhinojet main station with decentral satellites.





Technical data Rhinojet main stations

Reference	100.22MP80X	100.22MP120X	100.22MP150X
Model	MP80	MP120	MP150
Water inlet connection:	1 1/4"BSP	1 1/4"BSP	1 1/2"BSP
Water inlet supply pressure:	2 - 6 bar	2 - 6 bar	2 - 6 bar
Outlet flow range:	1 - 80 Lpm	1 - 120 Lpm	1 - 150 Lpm
Max. water temperature:	70°C	70°C	70°C
Max. outgoing pressure:	25 bar	25 bar	25 bar
Air inlet connection:	1/2"BSP	1/2"BSP	1/2"BSP
Air supply pressure:	1 - 6 bar	1 - 6 bar	1 - 6 bar
Required water inlet volume:	Min.100 Lpm	Min. 140 Lpm	Min. 180 Lpm
Users simultaneously:	1 - 2	1 - 4	1 - 5
Chemical dilution:	2	2	2
Chemical injectors:	2	2	2
Chemical dosing ratio:	0.15 - 15%	0.15 - 15%	0.15 - 15%
Functions:	Foam cleaning Disinfection rinse	Foam cleaning Disinfection rinse	Foam cleaning Disinfection rinse
Voltage:	3x400V 50/60Hz	3x400V 50/60Hz	3x400V 50/60Hz
Dimensions cm (WxHxD):	80x100x30	80x160x30	100x200x50
Power:	5,5 kW	7,5 kW	11.5 kW
Accessories type:	●	●	●





AIR FREE FOAM Main stations.

Click & clean HPJET series.



- Air free foaming.
- 50% less water consumption.
- 100 - 500% more cleaning impact.
- Adjustable in pressure range from 20 up till 200bar.
- Up to 60 meter wash down hoses.
- Reduces the number of required cleaning systems with 65%.
- 1 or 2 simultaneous users.
- Water pressure supply to unlimited number of cleaning satellites
- Superb foam quality.
- Higher rinsing power.



Stationary machines for wall mount are equipped with:

- Triplex, positive displacement pump delivers a smooth, constant flow and pressure. The downstream restriction will require adjustment or a valve to regulate any changes in pressure.
- Pressure regulator.
- Safety valve.
- Stainless steel pressure gauge.
- Stainless steel Maintenance free selector valve for water, chemicals and air.
- Stainless steel brake tank – 12liter.
- Water filter.
- 2 separated chemical injectors with adjustable dosing ratio (0.15-15%) who makes it impossible to mix-up chemicals.
- Stainless steel cabinet, with sloped top cover for optimal hygiene.
- 2 x stainless steel check valves on chemical suction.
- 1 x bleu suction kit with filter and PVC pipe for foam cleaning chemical.
- 1 x yellow suction kit with filter and PVC pipe for disinfection chemical.
- Set Of dosing tips.
- SWI: security water level system. Stops the machine in case of a water lack.
- TST: automatically stops the machine (in standby)after 25 Sec. use.
- SBS: automatically complete shut off after 60min in total stop.
- DSS: Drop stop system, total stop system if there are leakages.
- Optional mobile skid in stainless steel, with hose reel, hose, spray gun, container support...
- Optional TMM hot water pump up till 85°C.
- Optional Stainless steel wall supports.
- Optional accessories on page 7 and 8.



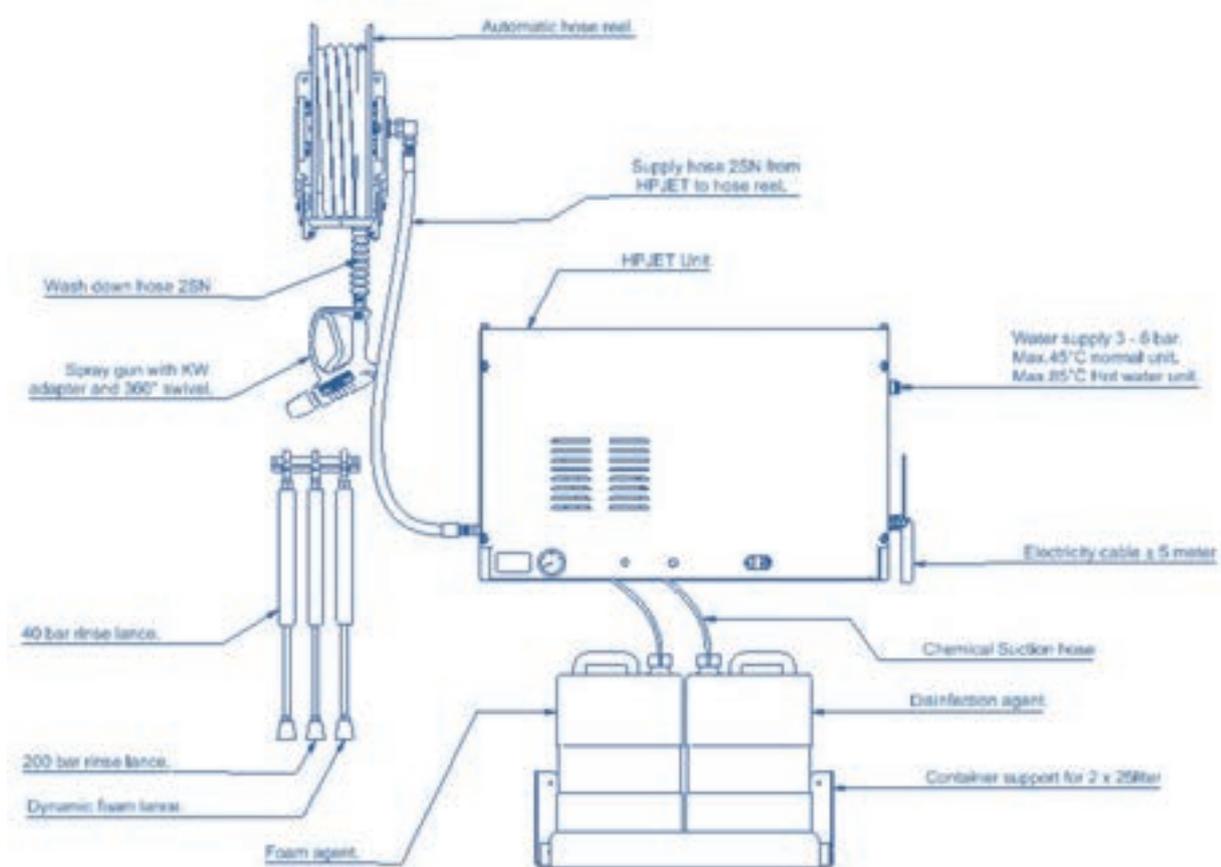


HPJET unit is the all-rounder:

Features

✓ Dilution of chemicals	2 (100% separated)
✓ Air free foam cleaning	Superb foam - No compressed air needed.
✓ Spray chemicals	By the use of the yellow disinfection lance.
✓ Rinsing at 20 bar	By the use of the bleu rinse lance
✓ Rinsing at 40 bar	By the use of the green rinse lance
✓ Rinsing at 80 bar	By the use of the Red rinse lance
✓ Rinsing at 200bar with rotating nozzle for maximum impact.	By the use of the Black rinse lance with rotating nozzle.
✓ Sewer and drain cleaning	By the use of the drain cleaning kit
✓ Automatic tank cleaning	By the use of the rotating cleaning head
✓ Automatic belt cleaning	By the use of the belt cleaning unit
✓ Fogging	By the use of Fogging unit

Installation HPJET





Advantages of the HPJET machines

➤ 100% AIR free foaming system

- HPJET units create foam without the addition of compressed air. The foam is created via a dynamic foam lance that sucks air from the environment through the water passage in the lance.
- Foam is created at the end of the lance and no longer in the satellite.
Because of this there is no longer “foam” who is transferred through the wash down hoses with quality loss, independent on the length of the wash down hose.
- Because of this advantage we can use up to 60 meter lengths of wash down hoses without any foam quality loss.

➤ Investment reduction

- Long wash down hoses reduce the investment costs with minimal 65%.
Because of the 3 x longer hose lengths it reduces the number of cleaning systems in the production zone by 65%
- lower costs for mounting the water supply and compressed air pipes.

➤ Safety features

- ❖ **No danger for other machines and compressed air equipment in the production area**
- The danger of compressed air lines, compressors, compressed air valves, pistons, air regulators ... being destroyed in other machines because of possible leakages of chemicals into the compressed air supply via cleaning satellites is non-existent.
- ❖ **No danger of chemical mixing with the water network.**
- Every HPJET unit is equipped with a brake tank that makes it impossible to unintentionally suck chemicals back into the water network via vacuum. No security valve is required to connect this system.
- ❖ **Self-protective system.**
- SWI: security water level system. Stops the machine in case of a water lack.

➤ Energy friendly

- TST: automatically stops the machine (in standby)after 25 Sec. use.
- SBS: automatically complete shut off after 60min in total stop.
- DSS: Drop stop system, Total stop system if there are leakages.

➤ Continuity and reliability.

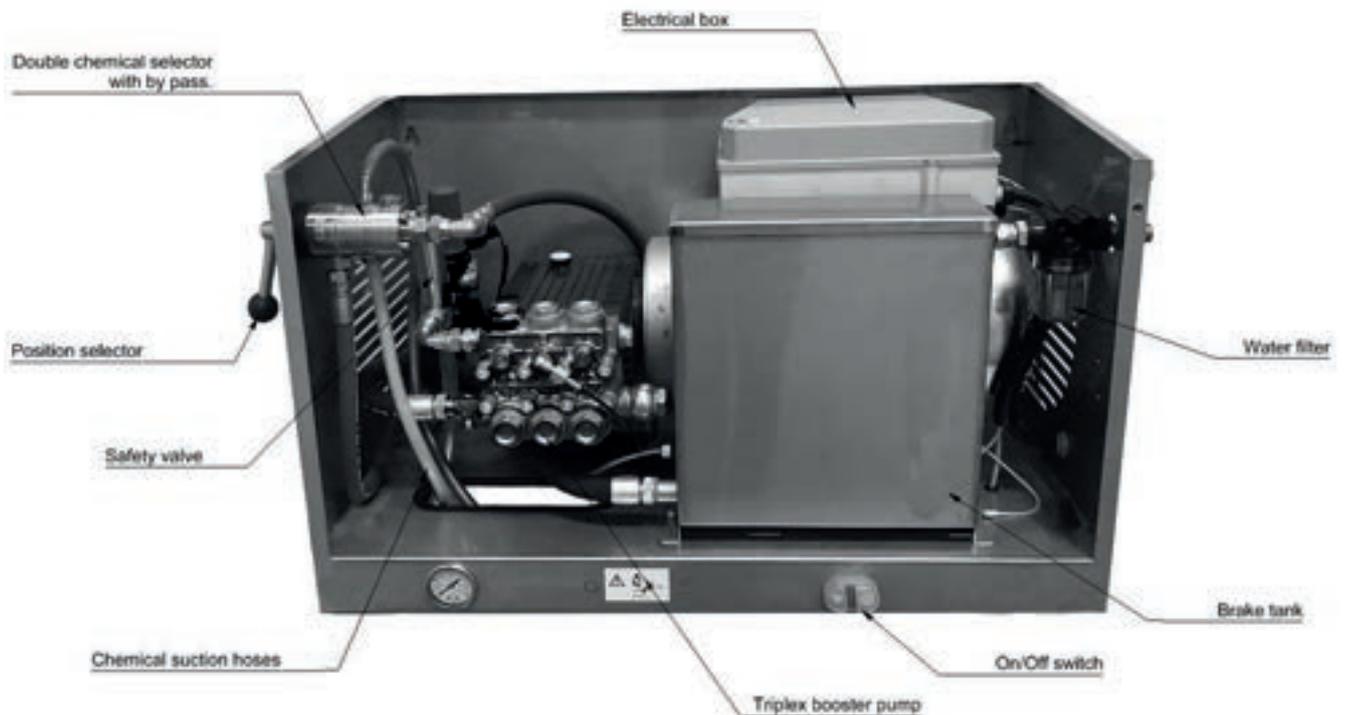
- Every system works independently of each other.
In standard cleaning systems, usually 1 pump system is used for supplying water pressure to all cleaning satellites. Every HPJET system has its own pump. This guarantees continuity in the cleaning process if one pump should fail.

➤ Mistake proof - impossible to make mistakes.

- Only 1 lever to select positions. It is impossible to select different positions at the same time.
- The system is equipped with 2 chemical injectors that are 100% separated from each other. If there is a switch between the different chemicals, it will always pass by the automatic flushing.
- Chemical suction hoses in colour code.
- Automatic pressure reduction / mounting by switching lances.



HPJET units are assembled in such a way that all parts are easily accessible for maintenance. The unit is CE approved.



Technical data HPJET main station Series

Reference	100.140	100.144TMM	100.146TMM
Model	HPJET10	HPJET15	HPJET30
Simultaneous users	1	1	2
Inlet supply pressure:	2 - 6 bar	2 - 6 bar	2 - 6 bar
Minimal supply flow:	15Lpm	20Lpm	35Lpm
Outlet flow range:	10 Lpm	15 Lpm	30 Lpm
*Max. water temperature:	45°C	85°C	85°C
Rinse pressure:	20-150 bar	20-200 bar	40-200 bar
Chemical injectors:	2	2	2
Chemical dosing ratio:	0.15 - 15%	0.15 - 15%	0.15 - 15%
Functions:	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse
Voltage:	1x220V 50Hz	3x400V 50Hz	3x400V 50Hz
Dimensions mm (WxHxD):	950x540x455mm	950x540x455mm	950x540x455mm
Power:	2.5 kW	5.5 kW	11Kw
Accessories type:	•	•	•

All units are available with stainless steel skid where unit is equipped with automatic hose reel, hose, spraygun and lances to avoid wall mounting.

*Mobile versions are available further in this catalogue – Mobile units.



Cleaning Satellites - open plant cleaning solutions in the food industry.

Central cleaning solutions with pre-mixed chemical supply.

Central hydraulic dosing units.

The Rhino CCU hydraulic range is designed for supplying chemicals and water from a central location to the local satellites designed for pre-diluted mixture.

The Rhino CCU hydraulic can make a pre-diluted mixture by injecting the chemicals directly in to the water stream with the dosing pumps.

The dosing system supplies the pre-diluted mixture to the satellites at a pressure of 8 bar.

This unit is equipped with a frequency controlled pump, which generates a constant pressure independent from the number of users. Concentration between 0.5 to 5%. Maximum capacity of 7(MAG7) or 20 (MAG20) simultaneous users.

The system is made for one, two or three chemicals.

The units mix the concentrated chemicals with water in a chemical storage room to lower the HSE risks and ergonomic issues.

Standard the housing of the hydraulic pumps are made of PTFE for high chemical resistance.

Dry running protection to protect the water booster and signal for low chemical stock is possible.

Custom made automated cleaning equipment.

Besides for pre-diluted cleaning systems, the Rhino CCU is often used for automated cleaning of machinery and production equipment in the food-processing industry.

E.g. conveyor belts, tanks and vessel washing, ...

For these applications the CCU is equipped with time controlled solenoid valves.

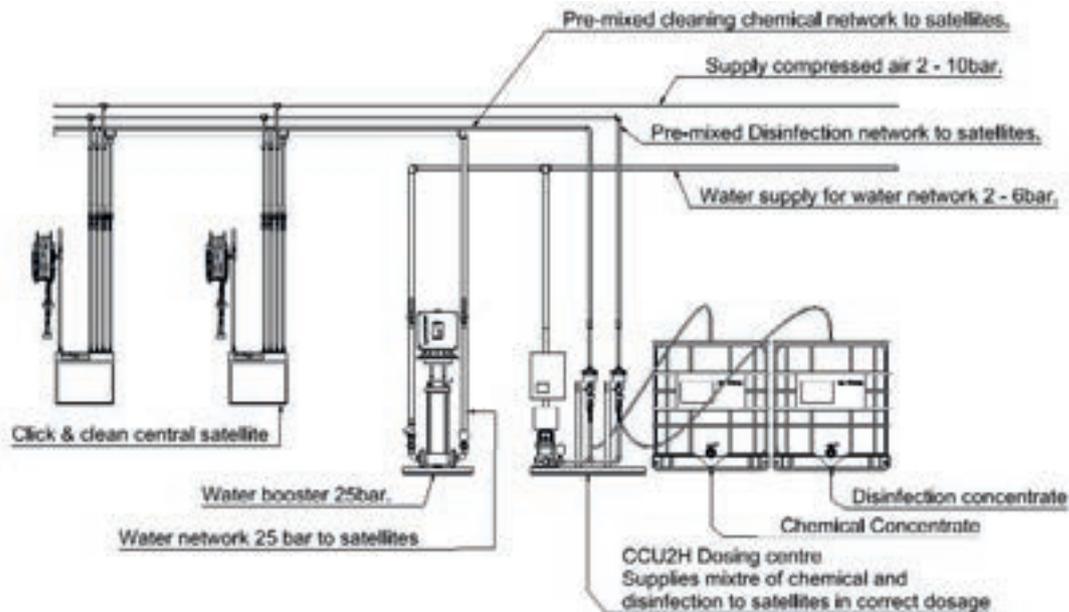
Features RHINO CCU Hydraulic:

- Economic solution.
- Low maintenance.
- Precision dosing.
- Big volume.
- Easy to adjust.
- Ensuring no concentrated products in the production area and ensuring a uniform concentration all over.
- Standard Dosing pumps with PTFE housing for optimal chemical resistance.
- Standard dry running protection on water supply.
- Optional: signal for dry running chemical.





Mounting example central cleaning unit



Hydraulic dosing series

Reference	100CCU.1H7	100CCU1.H16	100CCU.2H7	100CCU.2H20	100CCU.3H7	100CCU.3H20
Nr. of chemicals	1	1	2	2	3	3
Simultaneous users	7	20	7	20	7	20
Water inlet	G1 1/4"	G1 1/2"	G1 1/4"	G1 1/2"	G1 1/4"	G1 1/2"
Outlet premix	1 x G3/4"	1 x G1 1/4"	2 x G3/4"	2 x G1 1/4"	3 x G3/4"	3 x G1 1/4"
Max. pressure	8 bar					
Max. water temp.	40°C	40°C	40°C	40°C	40°C	40°C
Supply voltage	3x400V	3x400V	3x400V	3x400V	3x400V	3x400V
Pump/skid and pipework	Stainless steel					
Dosing pump	PTFE	PTFE	PTFE	PTFE	PTFE	PTFE

Accessories type:

-
-
-
-
-
-





Central cleaning solutions with pre-mixed chemical supply

Click & clean Central satellite

The most versatile, hygienic, robust and reliable central cleaning satellite on the market.

Click & clean central units are standard equipped with:

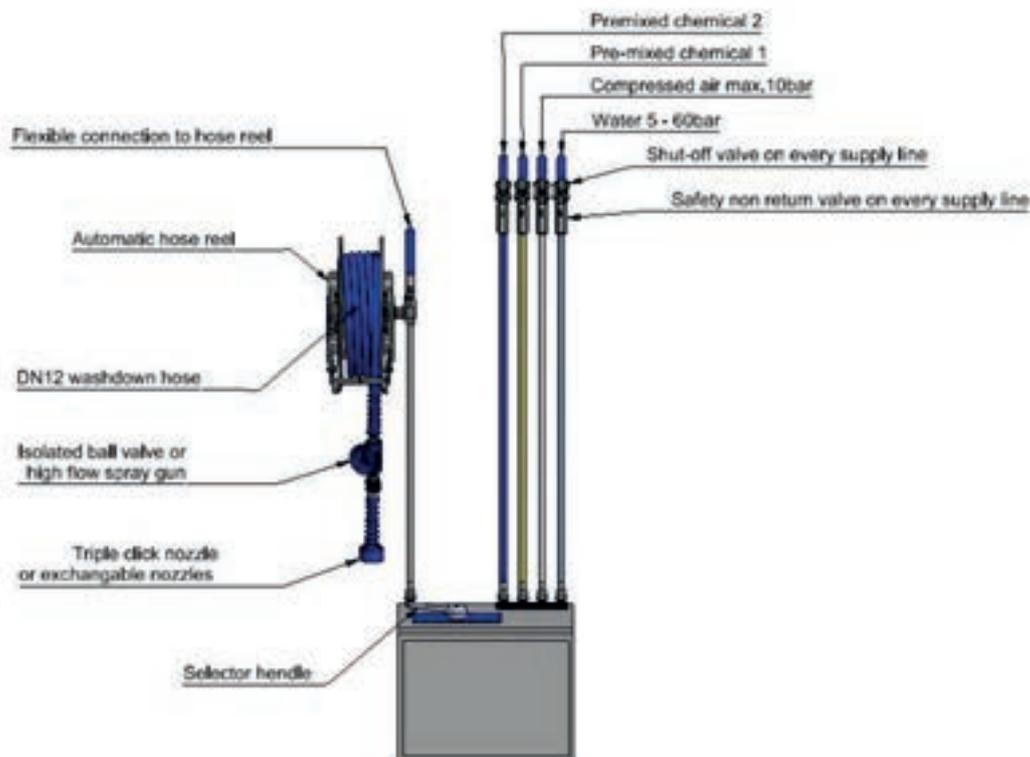
- Stainless steel, Maintenance free selector valve for water, chemicals and air. Complete made of AISI316 stainless steel.
- Valve with PTFE seals for excellent chemical resistance.
- Air regulator.
- Air manometer.
- Lockable stainless steel cabinet, with sloped top cover for optimal hygiene. AISI316
- Internal PTFE hoses with stainless steel AISI316 wire for pre-mixed chemicals.
- 2 x Stainless steel check valve for air supply protection.
- 1 x Check valve with detector when first check valve is failing.
- All adapters ½" BSP 60° hydraulic for seal or glue free connection.

FFDR version.

- Stainless steel chemical injector for sporadic use of acid for descaling.



Mounting example FFR version





Click & clean central switchbox.

The click & clean Central FFR, FSR, FFRR, FFDR and FFFR series are equipped with the famous Dosanova “switchbox”.

This massive AISI316 switchbox is equipped with PTFE seals for excellent chemical resistance.

With a single lever, the operator can change between the different medias. Only compressed air, water and pre-mixed chemicals are to be connected to the unit.

In contrast to other similar systems in the market, it switches 100% mechanically. So no other parts are needed that often require maintenance and are expensive to replace.

This switchbox is very versatile, so there are plenty of options to meet your specific needs.

Most common functions Click & clean central Versions:

Type	FFR	FSR	FFRR	FFDR	FFFR
Reference:	100.200FFR	100.200FSR	100.200FFRR	100.200FFDR	100.200FFFR
Clear water rinse full flow.	✓	✓	✓	✓	✓
Second clear water rinse (hot, RO, demi water)	x	x	✓	x	x
Foaming premixed chemical 1	✓	✓	✓	✓	✓
Foaming premixed chemical 2	✓	x	✓	✓	✓
Spray cleaning chemical 2	x	✓	x	x	x
Foaming premixed chemical 3	x	x	x	x	✓
Spray or foam decentral chemical (hybrid)	x	x	x	✓	x
Complete stop position.	✓	✓	x	x	x
Accessories type:	●	●	●	●	●

Click & clean central units can be custom build with many other possibilities.





Central cleaning solutions with pre-mixed chemical supply

Click & clean central air switch. Satellite on rooftop system.

The Click & clean Air switch central satellites are connected by a piping network to the central hydraulic dosing units and fitted as standard with one rinse position and one stop position. Depending on the chosen central hydraulic dosing unit selected, it can also be provided with one, two or three foaming functions, one rinsing function, one complete blow out function (system and hoses are free from water, chemical and compressed air) and stop function.

Pneumatically controlled stainless steel valves activate the rinsing water and the chemicals in the piping. Stainless steel non-return valves are fitted to prevent rebound and different products being mixed in the piping. The satellite is operated by a pneumatically operated stainless steel selector switch (max. 6 positions including stop). This is built into a fully stainless steel hygienic housing for perfect hygiene in the production environment. These satellites with housing are connected to an automatic hose reel with cleaning hose and accessories.



Technical data

Reference	100.208
Inlet water pressure:	10 – 250 bar.
Water consumption in rinse position:	Adjustable from 15 up to 100 liter / minute.
Max. Water temperature:	90°C.
Inlet premixed chemical pressure:	8 bar (from central hydraulic dosing unit)
Chemical consumption in foam position:	9 liter / minute standard.
Air supply to satellite:	Maximal 10 bar
Air Flow rate:	200 Lpm.
Functions:	Complete stop function Blow out function (zero pressure in satellite, hose and gun) Clear water rinse function Foam chemical Foam or spray disinfection Foam or spray Acid
Dimensions:	300H x 200W x 155D mm.
Materials cabinet:	Stainless steel AISI316.
Maximal distance to valve block:	Unlimited.
Connection adapter for air hose passage:	G ½" M BSPT adapter.

Accessories types:					
Usage up lower than 40bar	●	●	●	●	●
Usage up higher than 40bar.	●	●	●	●	●

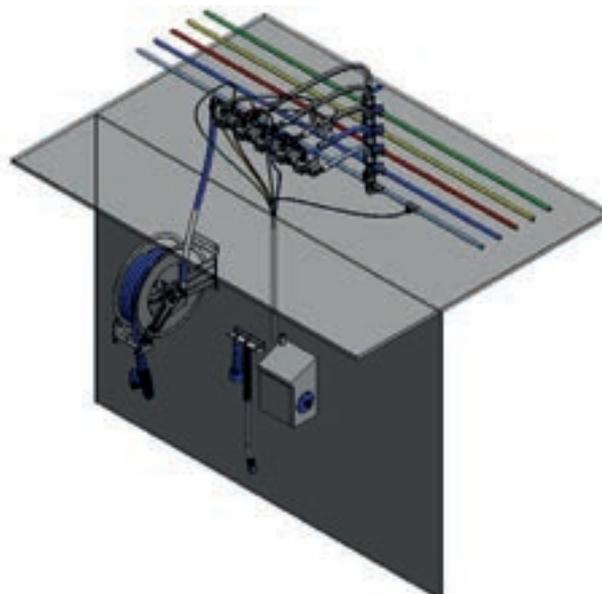
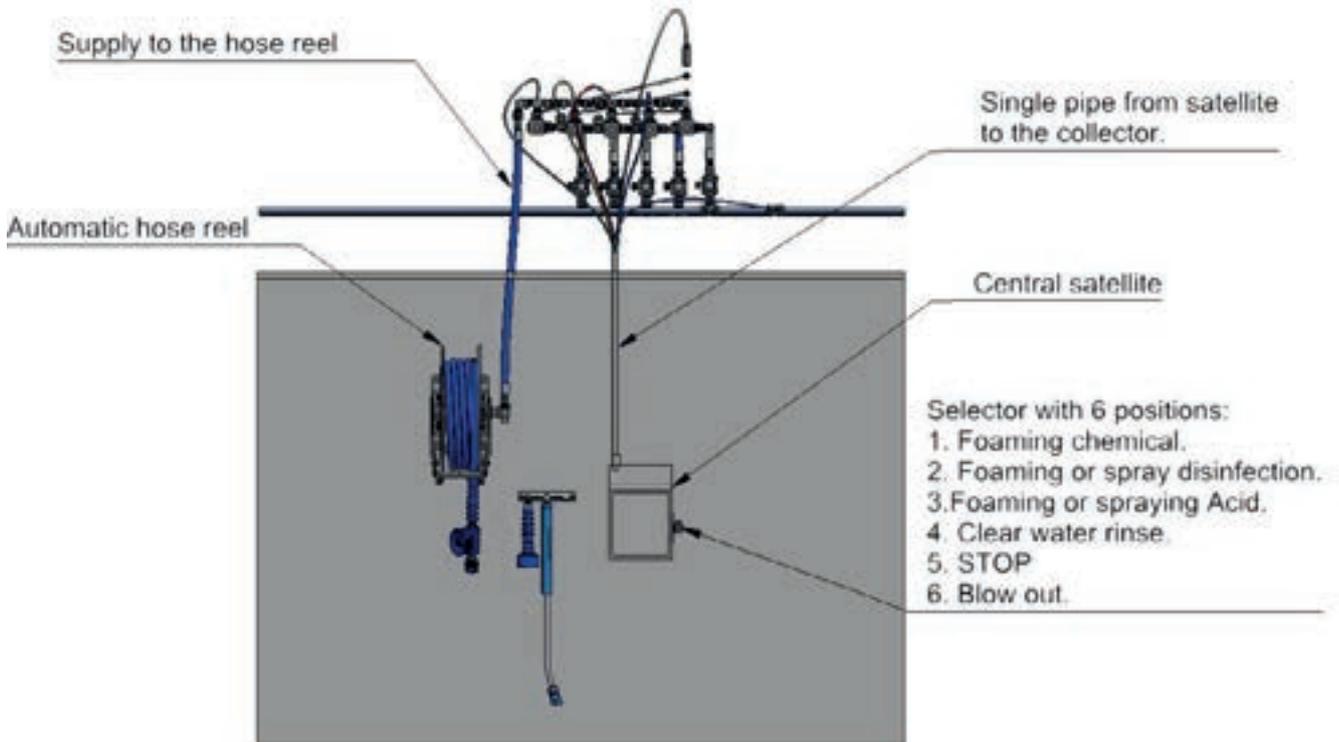


Pneumatically controlled stainless steel valves

Collector, valves, actuator are made in stainless steel.
This unit is normally installed on the rooftop.



Mounting Click & clean central air switch.





Manual open plant cleaning solutions in the food industry.

Dé-Central cleaning solutions.

Click & clean Dé-central FFR hygienic.

Available in Dynamic “air free foaming” and compressed air version.

The most hygienic, robust and reliable Dé-central cleaning satellite on the market.

With a single lever, the operator can change between the different medias.

Safe chemical storage (2x25L) in closed cabinet.



Click & clean Dé-central Hygienic units are standard equipped with:

- Stainless steel Maintenance free selector valve for water and chemicals.
- 2 separated chemical injectors with adjustable dosing ratio (0.15-15%) who makes it impossible to mix-up chemicals.
- Lockable stainless steel cabinet, with sloped top cover for optimal hygiene with storage for 2 x 25Liter chemicals.
- 2 x stainless steel check valves on chemical suction with Extreme Kalrez seals for excellent chemical resistance.
- Air regulator for wet/dry foam and blow out check valve for extra protection to customers air lines and compressors. (only on compressed air version)
- 1 x bleu suction kit with filter and PVC pipe for foam cleaning chemical.
- 1 x yellow suction kit with filter and PVC pipe for foam disinfectant chemical.
- Set Of 8 dosing tips.



Technical data

Reference	100.203	100.203DYN
Type	Compressed air version	Dynamic “air free foaming” version
Water connection	1/2" M BSP 60°	1/2" M BSP 60°
Water pressure	6 - 40 bar (centrifugal E-booster)	20 - 200 bar (Triplex pump)
Water temperature	0 - 90°C.	0 - 90°C.
Air connection	1/2" M BSP 60°	No air connection
Air pressure	Max. 10bar	No Air needed
Basic functions	<ul style="list-style-type: none"> • Foam cleaning • Foam Disinfection • Clean water rinse 	<ul style="list-style-type: none"> • Foam cleaning • Foam Disinfection • Clean water rinse
Chemical injectors	2 - 100% separated	2 - 100% separated
Dosing ratio	0.15 - 15%	0.15 - 15%
Materials	Stainless steel	Stainless steel
Dimensions (HxWxD):	1000 x 650 x 400 mm	1000 x 650 x 400 mm
Accessories types:	•	•



Caution:

Dynamic “Air free foaming” satellites must be connected to Dosanova Triplex booster stations.

The rinsing pressure can be regulated between 20 and 200bar.



Click & clean Decentral FFR

Available in Dynamic “air free foaming” and compressed air version.

The most robust and reliable cleaning satellite on the market.
With a single lever, the operator can change between the different medias.

Click & clean Dé-central units are standard equipped with:

- Stainless steel Maintenance free selector valve for water and chemicals.
- 2 separated chemical injectors with adjustable dosing ratio (0.15-15%) who makes it impossible to mix-up chemicals.
- Lockable stainless steel cabinet, with sloped top cover for optimal hygiene.
- 2 x stainless steel check valves on chemical suction with Extreme Kalrez seals for excellent chemical resistance.
- Air regulator for wet/dry foam and blow out check valve for extra protection to customers air lines and compressors. (only on compressed air version)
- 1 x bleu suction kit with filter and PVC pipe for foam cleaning chemical.
- 1 x yellow suction kit with filter and PVC pipe for foam disinfectant chemical.
- Set Of 8 dosing tips.



Technical data

Reference	100.201	100.202
Type	Compressed air version	Dynamic “air free foaming” version
Water connection	1/2" M BSP 60°	1/2" M BSP 60°
Water pressure	6 - 40 bar (centrifugal E-booster)	20 - 200 bar (Triplex pump)
Water temperature	0 - 90°C.	0 - 90°C.
Air connection	1/2" M BSP 60°	No air connection
Air pressure	Max. 10bar	No Air needed
Basic functions	<ul style="list-style-type: none"> • Foam cleaning • Foam Disinfection • Clean water rinse 	<ul style="list-style-type: none"> • Foam cleaning • Foam Disinfection • Clean water rinse
Chemical injectors	2 - 100% separated	2 - 100% separated
Dosing ratio	0.15 - 15%	0.15 - 15%
Materials	Stainless steel	Stainless steel
Dimensions (HxWxD):	400 x 400 x 210 mm	400 x 400 x 210 mm
Accessories types:	●	●



Caution:

Dynamic “Air free foaming” satellites must be connected to Dosanova Triplex booster stations.

The rinsing pressure can be regulated between 20 and 200bar.



Manual open plant cleaning solutions in the food industry.

Dé-Central cleaning solutions.

EMICO Decentral FFR

Available in Dynamic “air free foaming” and compressed air version.

The most robust and reliable cleaning satellite on the market.

With a single lever the operator can change between the different medias.



EMICO Dé-central units are standard equipped with:

- Stainless steel Maintenance free selector valve for water and chemicals.
- 2 separated chemical injectors with adjustable dosing ratio (0.15-15%) who makes it impossible to mix-up chemicals.
- Lockable stainless steel cabinet, with sloped top cover for optimal hygiene.
- 2 x stainless steel check valves on chemical suction with Extreme Kalrez seals for excellent chemical resistance.
- Extra protection to customers air lines and compressors. (only on compressed air version)
- 1 x bleu suction kit with filter and PVC pipe for foam cleaning chemical.
- 1 x yellow suction kit with filter and PVC pipe for foam disinfectant chemical.
- Set Of 8 dosing tips.



Technical data

Reference	100.210AFS	100.210AFS DYN
Type	Compressed air version	Dynamic “air free foaming” version
Water connection	1/2" M BSP 60°	1/2" M BSP 60°
Water pressure	6 - 40 bar (centrifugal E-booster)	20 - 200 bar (Triplex pump)
Water temperature	0 - 90°C.	0 - 90°C.
Air connection	1/4" M BSP 60°	No air connection
Air pressure	3 - 10bar pre-regulated	No Air needed
Basic functions	<ul style="list-style-type: none"> • Foam cleaning • Foam Disinfection • Clean water rinse 	<ul style="list-style-type: none"> • Foam cleaning • Foam Disinfection • Clean water rinse
Chemical injectors	2 - 100% separated	2 - 100% separated
Dosing ratio	0.15 - 15%	0.15 - 15%
Materials	Stainless steel	Stainless steel
Dimensions (HxWxD):	300 x 200 x 165 mm	300 x 200 x 165 mm
Accessories types:	●	●

The EMICO which is available in the nozzle size of 1.2 - 2.8 mm meets the requirements in every field of application in the professional cleaning industry.

The dosing is adjusted by one of the 10 nozzle inserts which are included in the consignment.





Block satellites - Inline Decentral injectors.

Dosanova Block satellites

The stainless steel decentral block satellites are robust, user-friendly, compact and effective.



Reference	200164584	200164504	200162504	200167504
Type	Compressed air version	Dynamic "air free foaming" version	Compressed air version	Dynamic "air free foaming" version
Water connection	3/8" F BSP 60°	3/8" F BSP 60°	3/8" F BSP 60°	3/8" F BSP 60°
Water pressure	6 - 80 bar	80 - 200 bar	6 - 80 bar	80 - 200 bar
Water temperature	0 - 90°C.	0 - 90°C.	0 - 90°C.	0 - 90°C.
Air connection	1/4" M BSP 60°	No air connection	1/4" M BSP 60°	No air connection
Air pressure	Max. 10bar	No Air needed	Max. 10bar	No Air needed
Basic functions	<ul style="list-style-type: none"> • Foam cleaning • Foam Disinfection • Clean water rinse 	<ul style="list-style-type: none"> • Foam cleaning • Foam Disinfection • Clean water rinse 	<ul style="list-style-type: none"> • Foam cleaning • Clean water rinse 	<ul style="list-style-type: none"> • Foam cleaning • Clean water rinse
Chemical injectors	2 - 100% separated	2 - 100% separated	1	1
Dosing ratio	0.15 - 15%	0.15 - 15%	0.15 - 15%	0.15 - 15%
Materials	Stainless steel	Stainless steel	Stainless steel	Stainless steel
Accessories types:	● ●	●	● ●	●

Wall support





Mobile cleaning systems

Mobile cleaning stations are designed to clean and disinfect in open space areas. Mobile design gives high flexibility and allows reaching and cleaning every corner of your food premises despite the hose length.

Click & clean HPJET Mobile.

This multi pressure booster unit is the all-rounder who is able to rinse in different pressure range by switching the color of lance.

Next to this adjustable pressure range, the unit doesn't need any air to create foam.

Features:

- Foam cleaning, Disinfection (foam or spray), clear water rinse in different pressures.
- Air free foaming.
- 50% less water consumption.
- 100% more rinse impact.
- Adjustable in pressure range from 20 up till 200bar.



Mobile unit is standard equipped with:

- Stainless steel heavy duty trolley with support for 2 x 25L. canisters.
- Triplex, positive displacement pump delivers a smooth, constant flow and pressure. The downstream restriction will require adjustment or a valve to regulate any changes in pressure.
- Incoming water pressure up till 85°C.
- Pressure regulator.
- Stainless steel pressure gauge.
- Stainless steel Maintenance free selector valve for water, chemicals and air.
- Stainless steel Water filter.
- 2 separated stainless steel chemical injectors with adjustable dosing ratio (0.15-15%) who makes it impossible to mix-up chemicals.
- Stainless steel cabinet, with sloped top cover for optimal hygiene.
- 2 x stainless steel check valves on chemical suction.
- 1 x bleu suction kit with filter and PVC pipe for foam cleaning chemical.
- 1 x yellow suction kit with filter and PVC pipe for disinfection chemical.
- Set Of 8 dosing tips.
- TST: automatically stops the machine (in standby)after 25 Sec. use.
- Automatic stainless steel self-retracting hose reel.
- 20 meter wash-down hose with bleu smooth cover.
- 5 meter electrical cable (or longer on demand).
- Stainless steel electrical cable holder.
- Stainless steel spray gun with 360° swivel and KW quick coupling.
- Dynamic foam lance.
- Rinse lance.
- Yellow disinfection lance.





Lance selection for HPJET units



In chemical position:

Using the dynamic foam lance (1):

The chemical automatically starts foaming. No air is needed.

Using the yellow lance(2):

For spraying non-foaming chemicals.

In rinse position:

By switching rinse lances on the HPJET, the pressure switches automatically from 20 up to 200bar depending on the connected lance. Water flow is not changing.

Nr.	Description	Reference
1	Dynamic foam lance with KW adapter- Creates foam without compressed air	200075572X
2	Yellow Disinfection lance with KW adapter – Spraying of non-foaming chemicals	200028316x
3	Bleu rinse Lance with KW adapter - creates automatically 20 bar.	200028315x
4	Green rinse lance with KW adapter – creates automatically 40 bar.	200029317x
5	Red rinse lance with KW adapter – creates automatically 80 bar.	200028318x
6	Black rinse lance with KW adapter – creates automatically 200 bar	200028309x
7	Black rinse lance with KW adapter and turbo nozzle. creates automatically 200 bar with 150% more impact.	200028309xturbo
8	Push & Pull lance is a variable adjustment of spraying angle lance to clean difficult accesses. Pressure nozzle available from 20 – 200 bar.	200085610X

Technical data HPJET mobile Series

Reference:	100.140XM	100.144XM TMM	100.146XM TMM
Model	HPJET10XM	HPJET15XM	HPJET30XM
Inlet supply pressure:	2 - 6 bar	2 - 6 bar	2 - 6 bar
Minimal supply flow:	15 Lpm	20 Lpm	35 Lpm
Outlet flow range:	10 Lpm	15 Lpm	30 Lpm
*Max. water temperature:	45°C	85°C	85°C
Rinse pressure:	20-150 bar	20-200 bar	40-200 bar
Chemical injectors:	2	2	2
Chemical dosing ratio:	0.15 - 15%	0.15 - 15%	0.15 - 15%
Functions:	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse
Voltage:	1x220V 50Hz	3x400V 50Hz	3x400V 50Hz
Dimensions mm (WxHxD):	1180x1200x750mm	1180x1200x750mm	1180x1200x750mm
Power:	2.5 kW	7.5kW	11Kw
Accessories type:	•	•	•



Click & clean LPJET9 Mobile Main station.

3-in-1 cleaning solution functioning as a workstation supplied with boosted water by an integrated pump. The pump boosts water up to max. 16 bar. The unit requires connection to the main water supply (2-8 bar) and compressed air.

LPJET main station can administer two detergents or disinfectants. It performs rinsing, foam application and disinfection.

Mobile unit is standard equipped with:

- Stainless steel heavy duty trolley with support for 2 x 25L. canisters.
- Triplex, positive displacement pump delivers a smooth, constant flow and pressure. The downstream restriction will require adjustment or a valve to regulate any changes in pressure.
- Incoming water pressure up till 85°C.
- Air Pressure regulator.
- Stainless steel Maintenance free selector valve for water, chemicals and air.
- Stainless steel check valve 1" on inlet.
- 2 separated stainless steel chemical injectors with adjustable dosing ratio (0.15-15%) who makes it impossible to mix-up chemicals.
- Stainless steel cabinet, with sloped top cover for optimal hygiene.
- 2 x stainless steel check valves on chemical suction.
- 1 x bleu suction kit with filter and PVC pipe for foam cleaning chemical.
- 1 x yellow suction kit with filter and PVC pipe for disinfection chemical.
- Set Of 8 dosing tips.
- TST: automatically stops the machine (in standby)after 25 Sec. use.
- Automatic stainless steel self-retracting hose reel.
- 20 meter wash-down hose with bleu smooth cover.
- 5 meter electrical cable (or longer on demand).
- Stainless steel ball valve with isolation with and ST3100 quick coupling.
- Stainless steel lance holder.
- Foam lance.
- Rinse lance.
- Yellow disinfection lance.

Technical data	LPJET 9 Ref.100.130XM
Water inlet connection:	1" BSP
Required inlet supply pressure:	2 - 6 bar
Required minimal inlet flow:	35 l/min.
Max. water temperature:	85°C
Max. outgoing pressure:	16 bar
Air inlet connection:	1/4" BSP
Required air supply pressure:	1 - 6 bar
Max no of users simultaneously:	1
Chemical dilution:	2
Chemical injectors(100% separated)	2
Chemical dosing ratio:	0.15 – 15%
Voltage (50Hz)	1 x 230V
Power:	1.5 kW
Accessories type:	•





Mobile cleaning Satellites.

Click & clean mobile satellite

The Click & clean mobile satellites are perfectly equipped for flexible rinsing, foaming and/or disinfecting activities. The unit is equipped with several accessories, such as an automatic hose reel, 20 meter Foodwash wash down hose, isolated ball valve with quick coupling, lances, lance holder and support for 2 x 25liter jerry cans.

Features

- Mobile rinsing, foaming or disinfecting.
- automatic return of wash down hoses makes it easy to clean the hose when re-rolling on the hose drum.
- Heavy duty frame construction.
- Great movability.
- Ultra-hygienic cabinet.
- Internal Air regulator kit.
- Coloured suction hoses according iso-norm.
- Available in dynamic foam version for air free foam.



Emico mobile satellite.

Emico mobile satellite is equipped with a block satellite, (automatic hose reel in option) with 20 meter Foodflex wash down hose, isolated ball valve with quick coupling, lances and support for 2 x 25 liter jerry cans.



Technical data HPJET mobile Series

Reference:	100.201XM	100.202XM DYN	100.210XM
Model	Click&clean decentral	Click & clean decentral mobile dynamic air	Emico FFR mobile
Inlet supply pressure:	6 - 80 bar	100 - 200 bar	6 - 80 bar
Minimal supply flow:	15Lpm	15Lpm	15Lpm
Max. Outlet flow range:	60 Lpm	60 Lpm	60 Lpm
*Max. water temperature:	85°C	85°C	85°C
Chemical injectors:	2	2	2
Chemical dosing ratio:	0.15 - 15%	0.15 - 15%	0.15 - 15%
Functions:	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse 	<ul style="list-style-type: none"> • Foam • Disinfect • Rinse
Accessories type:	●	●	●



Foamatron mobile.

Foamatron is a low pressure foam generator who must be connected to the city water tap (3-8bar) and compressed air supply. It dilutes chemicals in the waterpassage through a hydraulic chemical injector and mixes it with compressed air to a superb foam quality.

Advantage against a foamtank is that it is never empty or needs to be refilled and chemicals are diluted automatically.

By switching the bypass it can be used for clear water rinse with the same hose.

Features:

- Mobile rinsing, foaming cleaning / disinfecting.
- Automatic dosing with chemical.
- No electricity needed.
- Connecting to city water tap.
- Superb foam quality.
- Never needs to be refilled.
- 20 meter Long wash-down hose with automatic hose reel.

Foamatron versions:

Version VF: with Viton seal recommended for acid chemicals.

Version AF: with EPDM seals recommended for alkaline chemicals.

Version K: With Kalrez seals recommended for all type of chemicals.

Version PVDF: housing for highly concentrated chemicals.



Technical data

Reference	100.147x5XM
Inlet supply pressure:	2 - 8 bar
Supply flow:	10 - 40Lpm
Max. water temperature:	40°C
Supply air pressure	2 – 6bar
Chemical injectors:	1
Chemical dosing ratio:	0.5 – 5%
Functions:	<ul style="list-style-type: none">• Foam• Rinse
Accessories type:	•

Mobile unit is standard equipped with:

- Stainless steel heavy duty trolley with support for 2 x 25L. canisters.
- Foamatron unit with hydraulic dosing pump (AF/VF or K version).
- Air regulator kit for wet/dry foam.
- BA antipollution check valve on incoming water supply.
- CA check valve on air side.
- Automatic stainless steel hose reel.
- 20 meter Foodflex wash down hose.
- Stainless steel isolated ball valve with quick coupling.
- Foam lance.
- Rinse lance.



Foam and spray pressure tanks

The filling is easily done by means of a plastic funnel.

1/4" M connection to be attached to the compressed air supply. (max. 8 bar)

Equipped with a default safety valve.

The Foam tanks are equipped with Chemically resistant hose 10 m. Spray lance 600 mm with nozzle.

Fill level indication.

Foam tank is Integrated dosing unit to deliver the desired air/foam mixture.

Constant pressure exposure is required in order to achieve an even foam result.

Suitable for the use in the food industry, car wash and general industry.

Air pressure spray tank			Air pressure Foam tank		
Reference	Type	Volume	Reference	Type	Volume
106024600	Stainless steel Spray tank AISI304	24 L.	106024650	Stainless steel Foam tank AISI304	24L.
106050600	Stainless steel Spray tank AISI304	50 L.	106050650	Stainless steel Foam tank AISI304	50 L.
106100600	Stainless steel Spray tank AISI304	100 L.	106100650	Stainless steel Foam tank AISI304	100 L.

Suitable for keeping and application of liquids of group 2 according the directive EWG/67/548 Art. 2 para2 and directive EG/97/23 Art.9.

Not suitable for liquids of group 1.





Make hygiene a top priority so you can deliver a constant product quality to secure your brand.

Central Automatic conveyor belt and spiral freezer central cleaning systems.

In the food industry, a particular emphasis on hygiene is required. Rotary units are used for automated cleaning of belts. Applications in food industry like sugar, pasta, meat, fish, bakery, vegetables are examples.

Integrating our automatic cleaning solution for conveyors and spiral freezers offers a range of benefits:

- Significant reduction in cleaning time – extending production time.
- Improvement in hygiene and food safety levels.
- Consistency in product quality – no contamination.
- Significant reduction in water usage
- Reduced labor costs.
- Higher safety levels.

Complete plug & play cleaning

The Dosanova rotating cleaning systems are easy to integrate in existing and new conveyor belts. The rotating nozzels increase cleaning impact with 100% against standard stationary nozzle bars.

By using 360 ° rotating arms multi water jets clean the surface from different angles to the surface.

The conveyor that passes under or above this system during cleaning is passed up to 30 times the jetting water nozzles from different angles with the same water consumption. By using different angles, it is possible to reach all sides of the chain. No dark spots.

As the water pressure builds, the rotary arms begin to rotate independently. The arm rotates only by the force of the water pressure and requires no other power. A simple but efficient and solid product for an optimal cleaning effect. The rotating arms can be mounted horizontal, vertical or upside down.





<p>1. Air compressor.</p>	
<p>2. Distribution control center. controller unit and valve units for water, chemical and disinfectant solutions. The system is designed for automatic cleaning of all types of conveyor belts, elevator belts etc. The distribution control center is ready to be connected to any pressurized water unit as well as the CCU central for chemical and disinfectant solutions. . The distribution control center is also be connected to and control your 360° cleaning ramps installed on the conveyor.</p> <p>The system gives the customer consistent cleaning results, which means better hygiene and time-savings, as well as reduced water, chemical and disinfectant consumption.</p>	
<p>3. Water booster. Centrifugal or triplex booster for optimal rinsing power.</p> <p>The water booster will be chosen depends the pressure and quantity of water flow that is needed to guarantee the optimal cleaning process.</p>	
<p>4. Central chemical unit. This unit is dosing chemical concentration in the correct mixture with water and supplies the premix in the correct pressure to the Distribution control center. This unit can mix up to 4 simultaneous chemical solutions with a very high precision in small of big flow ranges through hydraulic dosing pumps.</p>	
<p>5. Chemical concentration central stock.</p>	
<p>6. Rotating conveyor cleaning system on belts. This hydraulic driven 360° spinning arms are available in different Ø sizes. This unit starts rotating the moment there is water pressure supplied.</p> <p>By using 360° rotating arms multi water jets clean the surface from different angles to the surface. The conveyor that passes under or above this system during cleaning is passed up to 30 times the jetting water nozzles from different angles with the same water consumption. By using different angles, it is possible to reach all sides of the chain. No dark spots.</p>	



Rhinojet Automatic Decentral Mainstation with cleaning systems

Fully automated and uniform daily cleaning and disinfection with multiple customizable program options, fulfill the needs of all food production premises, where automatic cleaning is needed. Best for applications such as conveyor belts or spiral freezers where reduction of downtime used for cleaning is a top priority together with the best possible hygienic results.

The automatic Main station is a complete unit for automatic cleaning with up to three different products, giving maximum flexibility of product choice.

The unit has a frequency controlled pump, that guarantees an even water flow. Depending on the model, the valve island can control up to 20 external segments. The unit is also available without integrated PLC for connection to external PLC.

As standard, the automatic main station comes with high flow chemical injectors. It performs rinsing, foam application and disinfection. Available for low or high pressure applications.

Applications:

- External and internal filler cleaning.
- Spiral freezers.
- Conveyor cleaning.
- Poultry and slaughter lines.
- Tank cleaning.
- Internal cleaning of machines.



Integrating an automatic solution on your processing equipment means:

- Significant reduction in cleaning time, extending production time and facilitating higher through-put.
- Improvement in hygiene and food safety levels. Every single surface, as well as the peripheral areas and 'dark spots', is cleaned. Consistency in product quality – no contamination. Significant reduction in water consumption.
- Reduced labor costs – fewer employees with Higher safety levels.
- Increase the length of time for which a product remains usable, fit for consumption, or saleable.

Next to automatic cleaning system the Rhinojet automatic main station can also be used to supply water pressure to other standard click & clean decentral satellites for daily cleaning applications. The main station and the satellites work 100% separated from each other.

Technical specifications

	Low pressure	High pressure
Pump power in rinsing modus:	20 - 40 bar	60 - 250 bar
Water consumption available:	80 - 600	30 - 315
Pressure in foaming:	3 bar	3 bar
Water consumption – foaming:	10 – 32lpm	10 – 32lpm
Number of chemical products:	2/3	2/3
Cleaning power impact:	Medium	High
Max. water temperature:	85°C	85°C
Functions:	Foaming Disinfection Rinse	Foaming Disinfection Rinse



Click & Clean Automatic cleaning satellite

This automatic cleaning satellite is a complete unit for automatic cleaning. The unit needs to be connected to pressurized water. The satellite can operate with up to three different products. Depending on the model, the PLC can control a wide number of external valves. The unit is also available without integrated PLC for connection to external PLC.

It's available for central or decentral in high and low pressure applications. As standard, the decentral automatic cleaning comes with 100% separated chemical injectors so there is no possible mix up between chemicals.



Fully automated and uniform daily cleaning and disinfection with multiple customizable program options, fulfill the needs of all food production premises, where automatic cleaning is needed. Best for applications such as conveyor belts or spiral freezers where reduction of downtime used for cleaning is a top priority together with the best possible hygienic results.

The choice of water pressure = the choice of water consumption:

Calculation of cleaning power impact and water consumption:

	Low pressure	High pressure
Water power x flow rate Lpm:	25bar x 200Lpm = 5.000 cleaning power	100bar x 50Lpm = 5.000 cleaning power

The high pressure automatic cleaning system can reduce the water consumption with 150% with the same cleaning power impact.

360° rotor in action on heavily soiled conveyor with blood and residues of meat.



Direct result on first passage with 150% less water consumption.



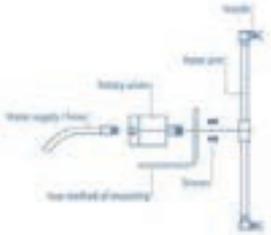
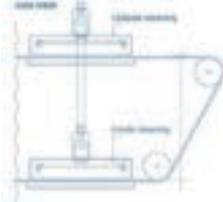


Accessories for conveyor belt cleaning.

360° spinning Rotor arms with 3/8" F inlet and 1/4" nozzle adapters. Max. 275bar/120°C. Stainless steel.

2 nozzle rotor arms		3 nozzle rotor arms		4 nozzle rotor arms	
					
Ref. 10882705	Ø 200 mm.	Ref. 10882767	Ø 200 mm.	Ref. 10882731	Ø 200/200mm.
Ref. 10882709	Ø 300 mm.	Ref. 10882769	Ø 300 mm.	Ref. 10882733	Ø 350/200 mm.
Ref. 10882711	Ø 400 mm.	Ref. 10882771	Ø 400 mm.	Ref. 10882737	Ø 400/250 mm.
Ref. 10882713	Ø 500 mm.	Ref. 10882773	Ø 500 mm.	Ref. 10882742	Ø 400/350 mm.
Ref. 10882715	Ø 600 mm.	Ref. 10882775	Ø 600 mm.	Ref. 10882743	Ø 500/350 mm.

Inline stainless steel swivel for rotor arms. Max. 275bar/120°C

<p>Ref. 10859103</p> 	<p>Installation</p> 	<p>Installation</p> 
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<p>Mounting for cleaning top of the conveyor.</p> 	<p>Mounting for cleaning bottom of the conveyor.</p> 
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Pre-installed belt cleaning unit with 360° rotating spinning arms.

This device must be installed under the existing conveyor belt. The belt must be extended for ± 0.5 meter and passes through the construction.

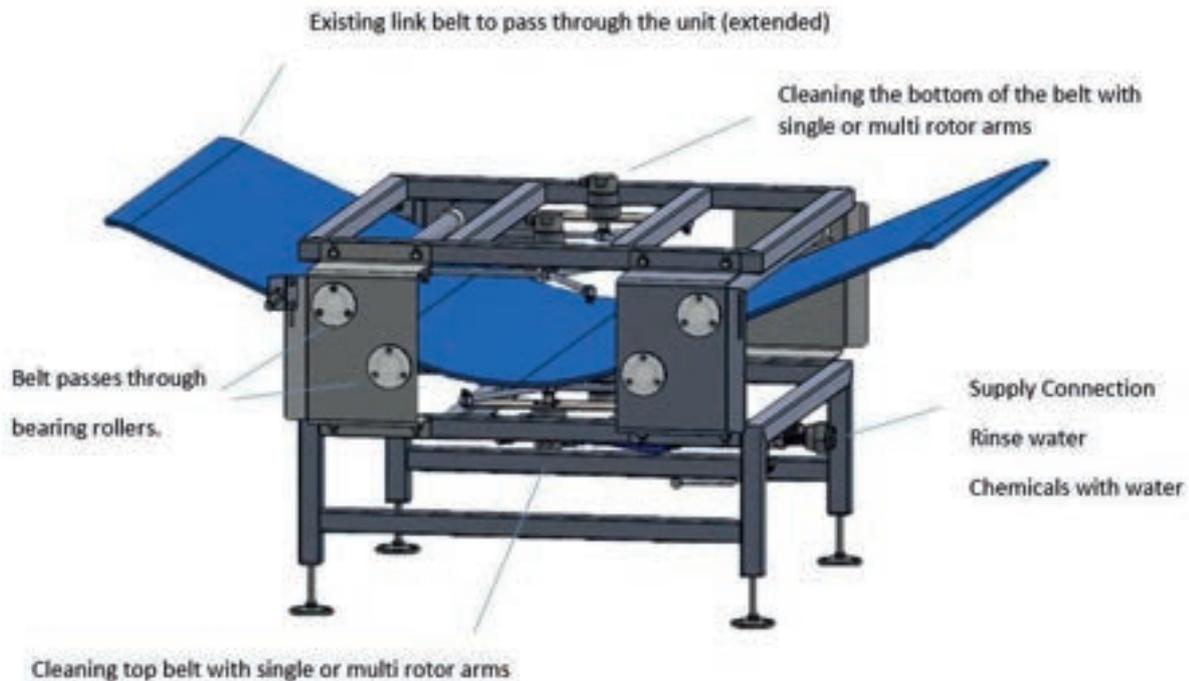
The belt is following the new construction and runs stable as before.

By connecting this device to an central cleaning system or decentral automatic main station it makes life easier while the belt is perfectly cleaned without any dark spots.

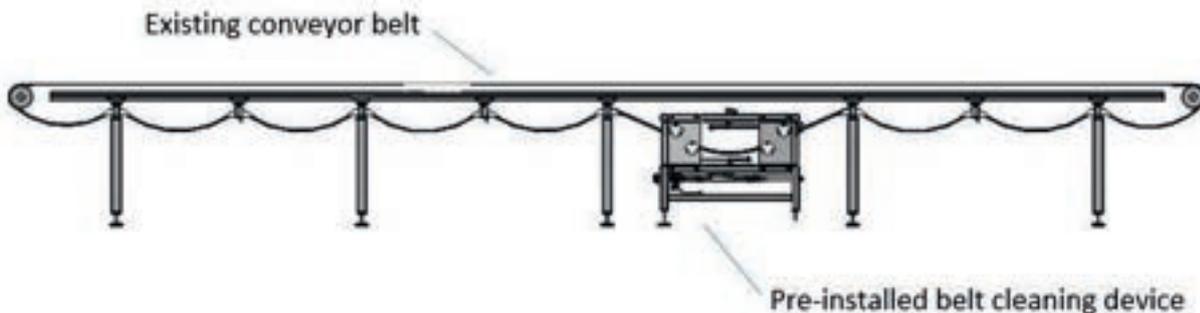
According the existing belt 1 or more rotating arms are used on under and top size to cover the complete belt.

By using this pre-installed device the installation is extremely easy.

This unit is custom made. Contact us for further information.



Placing of pre-installed device.





Accessories for Automatic tank cleaning

Clean tanks, totes, mixers, blenders, kettles, dryers, reactors and more with our automated rotary tank cleaning devices. Dosanova cleaning machines use technology that combine pressure and flow to create high impact cleaning jets.

The mechanical force created from the rotating nozzles help customers decrease the amount of time needed for tank cleaning and in turn, use much less water and chemical in the process. Many customer's Return On Investment for purchasing the nozzle is less than two months' time.

This precise, repeatable and reliable, 360° pattern enables you to use the least amount of resources while achieving the most effective tank clean.

Dosanova offers a wide variety of nozzles to cover any application. Cleaning tanks from 10meter diameter all the way down to 20 liter drums. The nozzles are designed to fit through small openings in tanks and totes. Accessories are available to aid in positioning, validation of cleaning, and water/chemical supply.

High and medium pressure rotating nozzles

A80R self-propelled tank cleaner.

The all-rounder among the rotating cleaning heads that is used for internal cleaning of transport liquid food to industrial tank washing installations. Suitable for intense use.



Article code: 25.4820.xx (depending flow rate)

Common Features

Inlet:	¾" BSP F
Operating pressures:	30 – 160bar.
Rated flow rates:	20 – 120L/min. (depending type)
Rated Temperature:	0 – 90°C.
Material:	Stainless steel 303
Nozzle type:	4 x ¼"Npt
Rated rotation speed:	10 – 16 giri/min.
Maximum Rpm	20 giri/min.
Rotation:	360°
Weight:	6096 gram.

*Nozzles not included.

**Optional: suitable for use with chemicals containing nitric and hydrofluoric acid.

***Can be mounted horizontal, vertical or upside down.



A42-360° self-propelled tank cleaner.

Made completely of Stainless steel AISI316 L. Suitable for utilization in the food Industry since materials used for manufacturing have NSF-FDA approval. This tank cleaner can stay in the tank and come in contact with food.



Article code: 25.5700.xx (Depending flow rate)

Common Features

Inlet:	½" BSP F
Operating pressures:	40 – 160bar.
Rated flow rates:	20 – 55L/min. (depending type)
Rated Temperature:	0 – 90°C.
Material:	Stainless steel 316L.
Nozzle type:	4 x 1/8"Npt
Rated rotation speed:	18 – 24 giri/min.
Rotation:	360°
Weight:	5600 gram

*Nozzles not included.

**Can be mounted horizontal, vertical or upside down.

A42-250° self-propelled tank cleaner.

Made completely of Stainless steel AISI316 L. Suitable for utilization in the food Industry since materials used for manufacturing have NSF-FDA approval. This tank cleaner can stay in the tank and come in contact with food.



Article code: 25.5600.xx (Depending flow rate)

Common Features

Inlet:	½" BSP F
Operating pressures:	40 – 160bar.
Rated flow rates:	15 – 55L/min. (depending type)
Rated Temperature:	0 – 90°C.
Material:	Stainless steel 316L.
Nozzle type:	3 x 1/8"Npt
Rated rotation speed:	18 – 24 giri/min.
Rotation:	250°
Weight:	3590 gram

*Nozzles not included.

**Can be mounted horizontal, vertical or upside down.





High and medium pressure rotating nozzles

A30 self-propelled tank cleaner.

Compact rotating cleaning head for low water flow systems.



Article code: 25.3300.xx (Depending flow rate)

Common Features

Inlet:	½" BSP F
Operating pressures:	30 – 160bar.
Rated flow rates:	9 – 33L/min. (depending type)
Rated Temperature:	0 – 90°C.
Material:	Stainless steel 303
Nozzle type:	4 x M4
Rated rotation speed:	20 – 30 giri/min.
Rotation:	360°
Weight:	2030 gram

*Nozzles not included.

**Can be mounted horizontal, vertical or upside down.

A300 high flow self-propelled tank cleaner.

Medium pressure rotating cleaning head for high flow water systems.

Extremely suitable for tanks where many residues are left behind and a lot of water is needed to carry away pollution. Cleaning power is developed by high water flow.



Article code: 25.6000.xx (Depending flow rate)

Common Features

Inlet:	1 1/4" BSP F
Operating pressures:	30 – 70bar.
Rated flow rates:	100 – 300L/min. (depending type)
Rated Temperature:	0 – 90°C.
Material:	Stainless steel 303
Nozzle type:	4 x ¼"
Rated rotation speed:	4 - 5 giri/min.
Rotation:	360°
Weight:	10200 gram

*Nozzles not included.

**Can be mounted horizontal, vertical or upside down.



Barrel and IBC cleaning.

M21E – Electric driven barrel / cask cleaning



Article code: 25.4300.00

Common Features

Inlet:	M22
Max. Operating pressures:	220bar.
Rated flow rates:	21L/min.
Rated Temperature:	0 – 90°C.
Power supply:	220V
Electric motor:	12V DC -8W.
Nozzle type:	2 x M4
Cable length:	10mm.
Min. overall Ø:	40 mm
Rotation:	360°
Weight:	3400 gram
Standard M4 nozzles supplied:	02-025-03-035-04

MI42 – 316 Hydraulic driven tank washer –FDA, NSA & ATEX Conform

Approved NSF – FDA conform CE

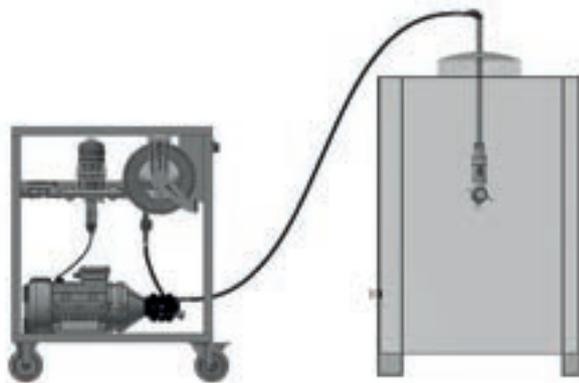


Article code: 25.3650.xx (Depending flow rate)

Common Features

Inlet:	½" BSP F
Operating pressures:	40 – 160bar.
Rated flow rates:	35 - 55L/min. (depending type)
Rated Temperature:	0 – 90°C.
Material:	Stainless steel AISI316
Nozzle type:	4 x 1/8" Npt
Rated rotation speed:	18 – 24 giri/min.
Rotation:	360°
Weight:	5690 gram

*Nozzles not included.



High pressure or low pressure tank cleaning nozzles are perfect in combination with Mobile tank, vessel cleaner units.

The mobile tank cleaner unit is specially designed for the cleaning the inside of tanks, IBC's, and other difficult places to reach where a rotating cleaning head can reach.





Low pressure rotating nozzles

TJ20G

The TJ20G is the classic orbital cleaner for large containers and tanks. It utilizes a 3D jet stream effect for complete interior cleaning over a designated time period. The cleaning head is driven two-dimensionally by the cleaning medium. The jet stream projects a pattern onto the surface of the tank's interior, covering more with every rotation. After only eight rotations, the entire area will have been covered.



Common Features

Inlet:	1" BSP F
Operating pressures:	3 - 8bar.
Rated flow rates:	200 - 250L/min. (depending type)
Rated Temperature:	0 – 90°C.
Material:	Stainless steel 316L
Rated rotation speed:	6 - 8 giri/min.
Rotation:	360°
Weight:	5100 gram
Max. throw length:	14 meter

UFB

The UFB is a rotating cleaning head that utilizes the cleaning medium for propulsion. Due to low working pressure and volume flow, this cleaning head is a proper alternative to fixed spray heads. The fan-shaped nozzle causes a whirling movement in the cleaning medium that, through a cascading effect, covers the entire inner surface of the tank.



Common Features

Inlet:	1" BSP F
Operating pressures:	1 - 5bar.
Rated flow rates:	20 - 60L/min. (depending type)
Rated Temperature:	0 – 90°C.
Material:	Stainless steel 316L
Rated rotation speed:	6 - 8 giri/min.
Rotation:	360°
Weight:	120 gram
Max. throw length:	1-2 meter



The rotary jet head provides 360° impact cleaning over a defined time period. It is automatic and represents a guaranteed means of achieving quality assurance in tank cleaning.

The device is suitable for processing, storage and transportation tanks and vessels between 1 and 500 m³. Used in breweries, food and dairy processes and many other industries, the fluid driven 360° Rotating nozzle is particularly well-suited to portable applications where high impact is required.

Depending on the pollution, the tank diameter, the needed cleaning time and water pressure, Dosanova can select the perfect 360° fluid driven rotating nozzle.

Next to the rotating nozzles, Dosanova designs and manufactures the custom made automatic cleaning system to provide the correct water pressure, water temperature, water flow, chemical mixture and reaction time to the rotating nozzle.

CCU automatic dosing system

The Automatic low pressure tank cleaning unit is equipped with 2 chemical pumps and frequency controlled water booster. The system is also equipped with time controlled start/stop system so customer can adjust different cleaning and disinfection cycles





Automatic silo cleaning

Dosanova has a solution for cleaning silo's and other large diameter vertical drops. The extendable arms with rollers help to guide and maintain a close surface cleaning impact. Simply attach a suspension cable to the eyelets and use your winch to raise and lower the silo cleaner.

Stabilizer nozzles increase the cleaning distance and impact and maintain a more concentrated spray pattern. Stainless steel construction and maintenance free design help to ensure a long life and reliability.



This special unit is designed for the internal cleaning and disinfection of silos or storage tanks. The unit is usually integrated into the silo. This unit is adjustable in diameter (between 2040 and 3500 mm in diameter) and has rubber wheels that run against the silo wall. The unit is connected to a hoist and a water hose that is connected to an automatic cleaning system.

As soon as water pressure is supplied, the arm starts to rotate 360 ° only through hydropower. In the meantime, the hoist moves the unit up and down so that the entire silo inside is cleaned without people having to enter the silo.

Due to this low investment, the silo or tank can be automatically cleaned and disinfected for years with every refill without working hours of its own staff or external companies without having to enter it.

Technical Data

Pressure	170bar (17Mpa)
Temperature	120°C
RPM	max. 50 rpm
Diameter	Adjustable 2040-3500mm
Water connection	G1/2" F
Throughput medium	water (pH 3-12)



RHINO MATIC – Robot cleaning system.

Dosanova has developed an automatic cleaning robot that meets the highest requirements in cleaning and disinfection for the food industry.

The robot is used for cleaning machines and surfaces that are difficult to reach, must be cleaned frequently, frequent interim cleaning and processes that can guarantee a consistent quality with certainty.

The robot is equipped with a special treatment that is resistant to the most aggressive acids and bases that occur in the food industry.

An IP67 security value can handle the water jet and they are perfect for low- and high-pressure cleaning, very high-pressure deburring, degreasing, rinsing, and drying applications.

Benefits of robot washing

- Maintaining product quality and production rates, optimization of process depending on the product to be washed/cleaned/deburred.
- Flexibility of robot positioning allows the adoption of virtually limitless cleaning positions.
- Higher levels of waste removal reduce the risk of part failure or quality rejection.
- Cost reduction (reduced use of water, electricity, air and cleaning chemicals).
- Eliminates the need for human operators to be in the harsh environment.

Main applications

- ✓ Low or High pressure water jet deburring.
- ✓ Brush deburring.
- ✓ Foam cleaning, rinsing and disinfection.
- ✓ Water jet cleaning / rinsing.
- ✓ Bath cleaning / rinsing.
- ✓ Drying.

Advantages Rhino-matic:

- Working in humid environments.
- Chemical resistant.
- Rounded edges and smooth surfaces.
- Robot is pressurized with protection on electrical connections.
- Patented gearbox with food grade oil without loss of performance.
- Digital multi turn encoder.
- No axis recovery needed.
- Multiple mounting possibilities.
- 6 axes with reach from 515 up till 2500mm.
- Payload up till 130kg.
- Axial moveable up till 2500mm to switch from machines.

The Rhino-matic will be installed, programmed and started - up by Dosanova on site. Worldwide service is guaranteed. In combination with the Rhino CCU automatic dosing units and the click and clean automatic satellites, a winning team is guaranteed.



Stationary Fogging/Misting systems

Automatic overnight disinfection.

Fogging disinfection system has become very popular since various disinfectants came on the market that no longer need to be rinsed with water.

This means that the room is automatically misted at night after cleaning, whereby all parts in the room and the air itself are completely sterilized.

The room is almost completely sterile and dry by the time the production is restarted. In addition, the rinse water that is saved here is also no longer a source of recontamination.



Benefits

- Higher and constant results.
- All surfaces and the air is disinfected.
- No re-contamination because of the rinsing water.
- Is done automatically without the costs of working hours.
- Quick money-back investment.
- Kills airborne bacteria and viruses.

Applications:

Meat production.
Fish production.
Vegetable production.
Cheese and dairy factories.
Food processing productions.

Refrigerated storage humidification

Our misting system re-establishes to optimal values the humidity level in cold rooms and refrigerated warehouses, blocking dehydration process, keeping the freshness of food for a longer time.

Our misting system periodically emits an ultra-light mist of water. Due to their tiny dimensions, these small water droplets evaporate without wetting, keeping humidity and coolness in the environment air, **reducing dehydration and maintaining product weight and condition.**



Benefits

- Dehydration block.
- Decrease in the weight loss (-95%) of the product.
- Longer freshness.
- It controls the spread of odors.
- Dust control.

Applications:

Fruit and vegetables
Fish products
Meat
Tabaco
Cheese



Low pressure fogging systems.

For low pressure fogging systems, we need compressed air to mix the air with the premix of the disinfection.



An advantage of these over direct pressure nozzles is that they can form a finely atomized spray pattern at very low flow rates.

With impingement, spiral, and whirl chamber designs, the energy required to break up the fluid flow into a hollow cone pattern comes directly from the fluid being sprayed.

This means that there is a natural restriction to minimum flow rates.
The mist of the low pressure system is very fine and almost dry.

The Dosanova low pressure fogging system is equipped with high precision dosing pumps, frequency controlled booster pump who delivers a constant pressure and flow to guaranty a constant disinfection quality in your production zone. Optionally the unit can be equipped with a logging system where there can be proven that disinfection has been done.



High pressure fogging systems



High pressure fog systems work without the need of compressed air.

The special nozzle used in this systems creates a mist by the hydraulic pressure, delivered from the special HP fog unit.

Depending the areas m^3 that needs to be treated, a pump unit will be selected with the amount of nozzles that are needed to tread the room.





Hose reels and hose handling.

Master reels stainless steel hose reels are ideal for food processing, pre-rinse, wash down, chemical transfer and industrial-solvent handling. Also suitable for coastal, offshore and marine applications where the harsh environment of salt water spray requires the use of stainless steel hose reels. Swivel contains FFKM- PTFE seals.

Built your Master reel who can be equipped with several options depending your needs:

Wall swivel		Type	Hose reel type	Reference
 <p>Stainless steel wall mounting plate with swivel. Makes it possible to turn the hose reel 180° on the wall.</p>	ST15	HR1000	260.ST15	
	ST20	HR 1100	260.ST20	
	ST30	HR 3500 HR 3501 HR 3502	260.ST30	
	ST33	HR 3503	260.ST33	
	ST34	HR 3400	260.ST34	
	ST60	HR 6000 HR 6001 HR 6300	260.ST60	
	Kit BK Slow retraction safety system – speed control		Type	Hose reel type
 <p>Speed adjustable hydraulic system. Prevents the hose to create speed when rolling back to the hose reel.</p>	Kit BK	Fits on every automatic hose reel.	260.Kit BK	



KIT HDL Stainless steel hose driver KIT		Type	Hose reel type	Reference
 <p>Ensures that the hose rolls back evenly from left to right on the drum. This kit prevents hoses from being distributed unevenly across the drum when rolling back without user guidance.</p>	Kit HDS1501/2	HR1100	260.kit HDS150 1/2	
	Kit HDL1501/2	HR3500	260.kit HDL1501/2	
	Kit HDL2001/2	HR3550	260.kit HDL2001/2	
	Kit HDL4001/2	HR6000 HR6300	260.kitHDL4001/2	
	Kit HDL150 1	HR3501	260.kitHDL150 1	
	Kit HDL200 1	HR3502	260.kitHDL200 1	
	Kit HDL300 1	HR3503	260.kitHDL300 1	

Gear KIT for HDL hose driver kit		Type	Hose type	Reference
<p>Hose and shaft adapter, depending the hose size used together with hose driver kit</p>	Kit HD1/4	1/4 hose	260.kit HD1/4	
	Kit HD3/8	3/8 hose	260.kit HD3/8	
	Kit HD1/2	1/2 hose	260.kit HD1/2	
	Kit HD3/4	3/4 hose	260.kit HD3/4	
	Kit HD 1	1" hose	260.kit HD1	

Kit SP Super torque, additional spring kit.		Type	Hose reel type	Reference
 <p>When using heavy hoses, larger diameters than 22mm and if the reel is placed higher than 4 meters or if the hose has to roll back via an unnatural curve, the spring must be stronger. In this case, an extra spring can be placed on the reel that doubles the torque.</p>	Kit SP20	HR1100	260.kitSP20	
	Kit SP35	HR3500 HR3501 HR3502 HR3503 HR3550	260.kitSP35	

Kit CR2 anti Ratchet unlocking kit		Type	Hose reel type	Reference
 <p>Prevents the accidental ratchet disengagement due to water return hammering. Prevents accidental loosening of the ratchet due to water kickback. This can happen if the liquid is shut off quickly while the user uses high pressure or high flow rates.</p>	Kit CR2	All	260.KitCR2	



Automatic self-retracting stainless steel hose reels low flow high pressure.

Hose reels for maximal 15 meter hose. Size 1/4", 3/8", 1/2"				Optional equipment				Suitable Hoses				Accessories types					
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Foodflex	Foodwash	1 SN		2SN	85AK	25C yellow		
	260.HR1000	0 - 200	AISI304	ST15	✓				✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR1000-400	0 - 400	AISI304	ST15	✓				✓				✓		✓	•	
	260.HR1000-600	0 - 600	AISI304	ST15	✓				✓				✓		✓	•	
	260.HR1000X316	0 - 200	AISI316	ST15	✓				✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR1000-400X316	0 - 400	AISI316	ST15	✓				✓				✓		✓	•	

Hose reels for maximal 20 meter hose. Size 1/4", 3/8", 1/2"				Optional equipment				Suitable Hoses				Accessories types					
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Foodflex	Foodwash	1 SN		2SN	85AK	25C yellow		
	260.HR1100	0 - 200	AISI304	ST20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR1100-400	0 - 400	AISI304	ST20	✓	✓	✓	✓	✓				✓		✓	•	
	260.HR1100-600	0 - 600	AISI304	ST20	✓	✓	✓	✓	✓				✓		✓	•	
	260.HR1100X316	0 - 200	AISI316	ST20	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR1100-400X316	0 - 400	AISI316	ST20	✓	✓	✓	✓	✓				✓		✓	•	

Hose reels for maximal 25 meter hose. Size 1/4", 3/8", 1/2"				Optional equipment				Suitable Hoses				Accessories types					
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Foodflex	Foodwash	1 SN		2SN	85AK	25C yellow		
	260.HR3400	0 - 200	AISI304	ST34	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR3400-400	0 - 400	AISI304	ST34	✓	✓	✓	✓	✓				✓		✓	•	
	260.HR3400-600	0 - 600	AISI304	ST34	✓	✓	✓	✓	✓				✓		✓	•	
	260.HR3400X316	0 - 200	AISI316	ST34	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR3400-400X316	0 - 400	AISI316	ST34	✓	✓	✓	✓	✓				✓		✓	•	

Hose reels for maximal 35 meter hose. Size 1/4", 3/8", 1/2"				Optional equipment				Suitable Hoses				Accessories types					
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Foodflex	Foodwash	1 SN		2SN	85AK	25C yellow		
	260.HR3500	0 - 200	AISI304	ST30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR3500-400	0 - 400	AISI304	ST30	✓	✓	✓	✓	✓				✓		✓	•	
	260.HR3500-600	0 - 600	AISI304	ST30	✓	✓	✓	✓	✓				✓		✓	•	
	260.HR3500X316	0 - 200	AISI316	ST30	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR3500-400X316	0 - 400	AISI316	ST30	✓	✓	✓	✓	✓				✓		✓	•	



Automatic self-retracting stainless steel hose reels low flow high pressure.

Hose reels for maximal 60 meter hose. Size 1/4", 3/8", 1/2"				Optional equipment					Suitable Hoses					Accessories types			
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Foodflex	Foodwash	1 SN	2SN	85AK			25C yellow	
	260.HR6000	0 - 200	AISI304	ST60	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR6000-400	0 - 400	AISI304	ST60	✓	✓		✓					✓		✓	•	
	260.HR6000-600	0 - 600	AISI304	ST60	✓	✓		✓					✓		✓	•	
	260.HR6000X316	0 - 200	AISI316	ST60	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR6000-400X316	0 - 400	AISI316	ST60	✓	✓		✓					✓		✓	•	

Hose reels for maximal 100 meter hose. Size 1/4", 3/8", 1/2"				Optional equipment					Suitable Hoses					Accessories types			
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Foodflex	Foodwash	1 SN	2SN	85AK			25C yellow	
	260.HR6300	0 - 200	AISI304	ST60	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR6300-400	0 - 400	AISI304	ST60	✓	✓		✓					✓		✓	•	
	260.HR6300-600	0 - 600	AISI304	ST60	✓	✓		✓					✓		✓	•	
	260.HR6300X316	0 - 200	AISI316	ST60	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	•	•
	260.HR6300-400X316	0 - 400	AISI316	ST60	✓	✓		✓					✓		✓	•	





Wash down hoses for low flow and high pressure applications.



Dosanova warehouse and hose production zone.

FOODFLEX



- FDA Approved food grade hose.
- 5 layer PVC hose with textile reinforcements and smooth cover.
- Standard equipped with stainless steel AISI316 ½BSP60° MF fittings.
- Max. 40bar (BP160bar) / -20 +70°C.
- DN12 – 1/2"
- Can be supplied on requested lengths (max.100m.)with customized couplings.



Food hose according to 2002/72/EC.
Especially designed for industrial foam cleaning applications.
Particularly resistant to animal and poultry fats.
Suitable for: water and water mixes of common cleaning detergents.

Accessory type: ●

Standard hoses

Reference	Length m.
30350X1.5	1,5
30350X2.5	2,5
30350X15	15
30350X20	20
30350X25	25
30350X30	30
30350X35	35

FOODWASH



- Cleaning hose for food industry.
- 5 layer rubber hose with textile reinforcements and smooth cover.
- Standard equipped with stainless steel AISI316 ½ BSP60° MF fittings.
- Max. 80bar (BP250bar) / -40 +150°C.
- DN12 – 1/2"
- Can be supplied on requested lengths (max.100m.)with customized couplings.



Food hose according to EN 854.
Particularly resistant to animal and poultry fats.
Suitable for: oil, water, water-in-oil emulsions and water mixes with up to 50 % detergent. Interior synthetic, oil-resistant

Accessory type: ●

Standard hoses

Reference	Length m.
30360X1.5	1,5
30360X2.5	2,5
30360X15	15
30360X20	20
30360X25	25
30360X30	30
30360X35	35



1SN Bleu – Smooth cover



- Cleaning hose for food industry and other industrial applications.
- 5 layer rubber hose with single steel reinforcements and smooth cover.
- Standard equipped with stainless steel AISI316 ½ BSP60° F and 3/8 BSP M fittings.
- Max. 300bar (BP900bar) / -40 +150°C.
- DN10 – 3/8"
- Can be supplied on requested lengths (max.100m.)with customized couplings.



Interior synthetic rubber. Highly temperature-resistant.
Resistant to common washing agents.
Single wire braid. Surface smooth synthetic rubber.
Non Marking (soot free). Abrasion-, oil-, UV resistant.

Accessory type: ●

Standard hoses

Reference	Length m.
302452X1.5	1,5
302452X2.5	2,5
302452X15	15
302452X20	20
302452X25	25
302452X30	30

2SN Bleu – Smooth cover



- Cleaning hose for food industry.
- 5 layer rubber hose with single steel reinforcements and smooth cover.
- Standard equipped with stainless steel AISI316 ½ BSP60° F and 3/8 BSP M fittings.
- Max. 400bar (BP1200bar) / -40 +150°C.
- DN10 – 3/8"
- Can be supplied on requested lengths (max.100m.)with customized couplings.



Interior synthetic rubber. Highly temperature-resistant.
Resistant to common washing agents.
Double wire braid. Surface smooth synthetic rubber.
Non Marking (soot free). Abrasion-, oil-, UV resistant and weatherproof.

Accessory type: ●

Standard hoses

Reference	Length m.
302653X1.5	1,5
302653X2.5	2,5
302653X15	15
302653X20	20
302653X25	25
302653X30	30

85 AK – Low pressure Yellow smooth



- Especially designed for industrial foam cleaning applications.
- 5 layer rubber hose with single steel reinforcements and smooth cover.
- Standard equipped with stainless steel AISI316 ½ BSP60° FM fittings.
- Max. 20bar (BP80bar) / -20 +60°C.
- DN12 – ½"



Field of application: foam hose and pre-spraying hose for the food industry.

Accessory type: ●

Standard hoses

Reference	Length m.
30450X1.5	1,5
30450X2.5	2,5
30450X15	15
30450X20	20
30450X25	25
30450X30	30
30450X30	35



Automatic hose reels for high flow applications.

Hose reels for maximal 20 meter ¾" or 13 meter 1" hose.				Optional equipment				Suitable Hoses			Accessories type		
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Thermoflex ¾"DN19	Thermoflex 1"DN25		185AA ¾"DN19	
	260.HR3501	0 – 80	AISI304	ST30	✓	✓	✓	✓	✓	✓	✓	✓	•
	260.HR3501X316	0 - 80	AISI316	ST30	✓	✓	✓	✓	✓	✓	✓	✓	•

Hose reels for maximal 25 meter ¾" or 15 meter 1" hose.				Optional equipment				Suitable Hoses			Accessories type		
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Thermoflex ¾"DN19	Thermoflex 1"DN25		185AA ¾"DN19	
	260.HR3502	0 – 80	AISI304	ST30	✓	✓	✓	✓	✓	✓	✓	✓	•
	260.HR3502X316	0 - 80	AISI316	ST30	✓	✓	✓	✓	✓	✓	✓	✓	•

Hose reels for maximal 35 meter ¾" or 25 meter 1" hose.				Optional equipment				Suitable Hoses			Accessories type		
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Thermoflex ¾"DN19	Thermoflex 1"DN25		185AA ¾"DN19	
	260.HR3503	0 – 80	AISI304	ST33	✓	✓	✓	✓	✓	✓	✓	✓	•
	260.HR3503X316	0 - 80	AISI316	ST33	✓	✓	✓	✓	✓	✓	✓	✓	•

Hose reels for maximal 40 meter ¾" or 30 meter 1" hose.				Optional equipment				Suitable Hoses			Accessories type		
	Reference.	Press. range bar	Material type	Wall swivel type	Kit BK	KIT HDL	Kit SP	Kit CR2	Thermoflex ¾"DN19	Thermoflex 1"DN25		185AA ¾"DN19	
	260.HR6001	0 – 80	AISI304	ST60	✓	✓			✓	✓	✓	✓	•
	260.HR6001X316	0 - 80	AISI316	ST60	✓	✓			✓	✓	✓	✓	•



Wash down hoses for high flow and low pressure applications.

Hoses are equipped with AISI316 couplings. Standard as MF threads. On demand other sizes available.

Thermoflex – FDA approved food grade hose -DN19 (3/4") / max 20bar / -20-+100°C.



Universal polyurethane hose with textile meshwork and smooth blue cover. Oil, abrasion and UV resistant. Suitable for air, water, oil..

Field of application: general industrial applications.
Food industry, Swimming pools.

Standard assembled with 3/4" MF threads and stainless steel anti buckling springs.

Accessory type: ●

Reference	Length m.
121.165x1.5	1,5
121.165x2.5	2,5
121.165x15	15
121.165x20	20
121.165x25	25
121.165x30	30
121.165x35	35
121.165x40	40

Thermoflex – FDA approved food grade hose –DN25 (1") / max 20bar / -20-+100°C.



Universal polyurethane hose with textile meshwork and smooth blue cover. Oil, abrasion and UV resistant. Suitable for air, water, oil..

Field of application: general industrial applications.
Food industry, Swimming pools.

Standard assembled with 1" MF threads and stainless steel anti buckling springs.

Accessory type: ●

Reference	Length m.
121.175x1.5	1,5
121.175x2.5	2,5
121.175x15	15
121.175x20	20
121.175x25	25
121.175x30	30
121.175x35	35
121.175x40	40

185AA hose – DN19 (3/4") Max.20bar / -10 - +60°C



Tube: black synthetic elastomer - oil mist resistant.

Reinforcement: high tensile textile cords.

Cover: black synthetic elastomer with longitudinal yellow stripes, abrasion and ozone resistant.

Application: Water, compressed air and general industrial applications.

Standard assembled with 3/4" MF threads and stainless steel anti buckling springs.

Accessory type: ●

Reference	Length m.
30520x1.5	1,5
30520x2.5	2,5
30520x15	15
35020x20	20
30520x25	25
30520x30	30
30520x35	35
30520x40	40





Manual stainless steel hose reels:

- The STKI series are suitable for applications in craft and industry:
- The base frame is made out of canted stainless steel sheet profiles which stand for excellent stability.
- The drum rotates by means of an adjustable hand wheel being equipped with free-wheel polyamide grip.
- By means of a mechanical brake integrated in the bearing the drum can be slowly decelerated or even totally blocked.
- Suitable for mediums water, water with detergent, air, oils and greases.



Manual hose reels for max. 1/2" hoses.					Suitable hoses						Accessories type	
Reference	adapters	Press. bar	Max. Temp. C°	Max. hose length	Foodflex	Foodwash	1SN	2SN	85K	2SC		
73950	1/2" FF	300	90	35 m.	✓	✓	✓	✓	✓	✓	•	•
73960	1/2" FF	300	90	70 m.	✓	✓	✓	✓	✓	✓	•	•
73965	1/2" FF	300	90	100 m.	✓	✓	✓	✓	✓	✓	•	•
739701 2	1/2" FF	300	90	115 m.	✓	✓	✓	✓	✓	✓	•	•

Manual hose reels for max. 3/4" hoses.					Suitable hoses		Accessories type	
Reference	adapters	Press. bar	Max. Temp. C°	Max. hose length	Thermoflex 3/4" DN19.	185AA 3/4" DN19		
7395019	3/4" FF	200	90	20 m.	✓	✓	•	•
7396019	3/4" FF	200	90	40 m.	✓	✓	•	•
7396519	3/4" FF	200	90	60 m.	✓	✓	•	•
73970	3/4" FF	200	90	70 m.	✓	✓	•	•
7398019	3/4" FF	200	90	80 m.	✓	✓	•	•

Manual hose reels for max. 1" hoses.					Suitable hoses	Accessories type	
Reference	adapters	Press. bar	Max. Temp. C°	Max. hose length	Thermoflex 1" DN25		
7397024	1" FF	100	90	61 m.	✓	•	



Special Mobile Manual hose reels.

Food transfer - Accessory type: ●

The mobile liquid transfer hose reels make it possible to use the reel on several different tanks. The principal of use is the same like the stationary liquid transfer hose reel. Used in dairy, breweries and other liquid food process applications.



Reference	Usable hose diameter	Max. Hose length	Max. Press. bar	Max. Temp. C°
260.AVM2095	1 1/4" DN32	50	10	100
260.AVM2096	1 1/2" DN38	30	10	100
260.AVM2090	2" DN50	20	10	100
260.AVM3090	3" DN100	10	10	100



Stainless steel heavy duty Hose rack



Reference	Holding capacity	Dimensions
11006	1/2" hoses = 40 meters 3/4" hoses = 30 meters 1" hoses = 15 meters	W x H x D 360 x 200 x 170 mm.

Washing room Ceiling swivel system

Ideal for installation in washrooms where mobile carts or other material is brought in for cleaning or in certain areas where a certain part needs frequent cleaning.

Accessory type: ●

Reference	Type	length	Max. pressure	Max. temp.
109766954	Single	1750	275 bar	90°C
109767921	Double	1600 - 1750	275 bar	90°C

Features:

Hose and spray gun never touch the ground.
 Hose rotates around the surface to be cleaned, making cleaning easy.
 Available in single or double version. Ceiling or wall mounting is possible.





Spray guns and lances

Low and medium pressure spray guns.

<p>RB35 cone jet spray gun</p>  <p>Low pressure spray gun with variable cone jet and Stainless steel 360° swivel connection.</p> <p>Reference: 140.003 Inlet ½" F sw. Out Cone nozzle Rated Pressure 12 bar Rated Temperature 80°C Rated Flow Rate 50 Lpm. Accessory type ●</p>	<p>Heavy duty spray head</p>  <p>Stainless steel spray adjustable spray head with plastic housing.</p> <p>Reference: 140.AKRSH02 Inlet ½" F Out Cone nozzle Rated Pressure 16 bar Rated Temperature 80°C Rated Flow Rate 150 Lpm. Accessory type ●</p>	<p>Shower head</p>  <p>Stainless steel with plastic housing shower head.</p> <p>Reference: 500101 Inlet ½" F Out Shower Rated Pressure 8 bar Rated Temperature 60°C Rated Flow Rate 50 Lpm. Accessory type ●</p>
<p>RB65 cone jet spray gun</p>  <p>Low pressure spray gun with variable cone jet and 360° swivel connection.</p> <p>Reference: 140.005 Inlet ½" F sw. Out Cone nozzle Rated Pressure 24 bar Rated Temperature 90°C Rated Flow Rate 60 Lpm. Accessory type ●</p>	<p>RB65 with ST3100 quick coupling</p>  <p>Low pressure spray gun with ST3100 quick coupling and 360° swivel connection. Nozzles not included.</p> <p>Reference: 140.022 Inlet ½" F Out ST3100 QC. Rated Pressure 24 bar Rated Temperature 90°C Rated Flow Rate 100 Lpm. Accessory type ●</p>	<p>RB65 with triple click nozzle</p>  <p>Low pressure spray gun with Stainless steel triple click nozzle and 360° swivel connection.</p> <p>Reference: 140.021 Inlet ½" F Out Triple click Rated Pressure 24 bar Rated Temperature 90°C Rated Flow Rate 100 Lpm. Accessory type ●</p>



Low and medium pressure spray guns.

<p style="text-align: center;">Isolated ball valve.</p>  <p>Stainless steel isolated ball valve. Full passage.</p> <table border="0"> <tr> <td>Reference:</td> <td>140.112</td> </tr> <tr> <td>Inlet</td> <td>½" F</td> </tr> <tr> <td>Out</td> <td>½" F</td> </tr> <tr> <td>Rated Pressure</td> <td>60 bar</td> </tr> <tr> <td>Rated Temperature</td> <td>90°C</td> </tr> <tr> <td>Rated Flow Rate</td> <td>100 Lpm.</td> </tr> <tr> <td>Accessory type</td> <td>●</td> </tr> </table>	Reference:	140.112	Inlet	½" F	Out	½" F	Rated Pressure	60 bar	Rated Temperature	90°C	Rated Flow Rate	100 Lpm.	Accessory type	●	<p style="text-align: center;">Isolated ball valve with ST3100 quick coupling.</p>  <p>Stainless steel isolated ball valve. Full passage. With nozzle adapter. Nozzles not included.</p> <table border="0"> <tr> <td>Reference:</td> <td>140.114</td> </tr> <tr> <td>Inlet</td> <td>½" F</td> </tr> <tr> <td>Out</td> <td>ST3100 QC.</td> </tr> <tr> <td>Rated Pressure</td> <td>60 bar</td> </tr> <tr> <td>Rated Temperature</td> <td>90°C</td> </tr> <tr> <td>Rated Flow Rate</td> <td>100 Lpm.</td> </tr> <tr> <td>Accessory type</td> <td>●</td> </tr> </table>	Reference:	140.114	Inlet	½" F	Out	ST3100 QC.	Rated Pressure	60 bar	Rated Temperature	90°C	Rated Flow Rate	100 Lpm.	Accessory type	●	<p style="text-align: center;">Isolated ball valve with triple click nozzle.</p>  <p>Low pressure spray gun with Stainless steel triple click nozzle and 360° swivel connection.</p> <table border="0"> <tr> <td>Reference:</td> <td>140.113</td> </tr> <tr> <td>Inlet</td> <td>½" F</td> </tr> <tr> <td>Out</td> <td>Triple click</td> </tr> <tr> <td>Rated Pressure</td> <td>24 bar</td> </tr> <tr> <td>Rated Temperature</td> <td>90°C</td> </tr> <tr> <td>Rated Flow Rate</td> <td>100 Lpm.</td> </tr> <tr> <td>Accessory type</td> <td>●</td> </tr> </table>	Reference:	140.113	Inlet	½" F	Out	Triple click	Rated Pressure	24 bar	Rated Temperature	90°C	Rated Flow Rate	100 Lpm.	Accessory type	●
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Accessory type	●																																											
<p style="text-align: center;">ST3225 gun with progressive closing and ST3100 quick coupling</p>  <p>Stainless steel lockable gun with advantages from spray gun and ball valve. Nozzles not included.</p> <table border="0"> <tr> <td>Reference:</td> <td>203225650</td> </tr> <tr> <td>Inlet</td> <td>½" F</td> </tr> <tr> <td>Out</td> <td>ST3100 QC</td> </tr> <tr> <td>Rated Pressure</td> <td>60 bar</td> </tr> <tr> <td>Rated Temperature</td> <td>100°C</td> </tr> <tr> <td>Rated Flow Rate</td> <td>100 Lpm.</td> </tr> <tr> <td>Accessory type</td> <td>●</td> </tr> </table>	Reference:	203225650	Inlet	½" F	Out	ST3100 QC	Rated Pressure	60 bar	Rated Temperature	100°C	Rated Flow Rate	100 Lpm.	Accessory type	●	<p style="text-align: center;">ST3100 spray gun with ST3100 quick coupling</p>  <p>Stainless steel spray gun progressive closing and nozzle adapter. Nozzles not included.</p> <table border="0"> <tr> <td>Reference:</td> <td>203100820</td> </tr> <tr> <td>Inlet</td> <td>½" F</td> </tr> <tr> <td>Out</td> <td>ST3100 QC.</td> </tr> <tr> <td>Rated Pressure</td> <td>60 bar</td> </tr> <tr> <td>Rated Temperature</td> <td>150°C</td> </tr> <tr> <td>Rated Flow Rate</td> <td>100 Lpm.</td> </tr> <tr> <td>Accessory type</td> <td>●</td> </tr> </table>	Reference:	203100820	Inlet	½" F	Out	ST3100 QC.	Rated Pressure	60 bar	Rated Temperature	150°C	Rated Flow Rate	100 Lpm.	Accessory type	●	<p style="text-align: center;">ST2720 spray gun with ST3100 quick coupling.</p>  <p>Stainless steel spray gun with LTF technology and 360° swivel connection. Nozzles not included.</p> <table border="0"> <tr> <td>Reference:</td> <td>202720550</td> </tr> <tr> <td>Inlet</td> <td>½" F</td> </tr> <tr> <td>Out</td> <td>ST3100 QC</td> </tr> <tr> <td>Rated Pressure</td> <td>125 bar</td> </tr> <tr> <td>Rated Temperature</td> <td>150°C</td> </tr> <tr> <td>Rated Flow Rate</td> <td>80 Lpm.</td> </tr> <tr> <td>Accessory type</td> <td>●</td> </tr> </table>	Reference:	202720550	Inlet	½" F	Out	ST3100 QC	Rated Pressure	125 bar	Rated Temperature	150°C	Rated Flow Rate	80 Lpm.	Accessory type	●
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Accessory type	●																																											



Low pressure lances and nozzles

Low pressure lances – extensions	Foam lance	Triple click XL								
										
<p>Stainless steel lance extension with ST3100 nipple and quick coupling. Adapts between gun and nozzle.</p> <p>Reference 400mm : 30.6456.40X Reference 800mm 30.6456.80X Inlet ST3100 nipple Out ST3100 QC</p> <p>Rated Pressure 100 bar Rated Temperature 150°C Accessory type ●</p>	<p>Stainless steel foam lance with ST3100 nipple and foam nozzle 50/200.</p> <p>Reference: 203100630 Inlet ST3100 Out Nozzle 50/200</p> <p>Rated Pressure 150 bar Rated Temperature 150°C Accessory type ●</p>	<p>Stainless steel short lance with triple click nozzle and ST3100 nipple</p> <p>Reference: 140.145XL Inlet ST3100 Out Triple click</p> <p>Rated Pressure 150 bar Rated Temperature 100°C Accessory type ●</p>								
Triple click nozzle	Foam lance	Nozzles with ST3100 nipple								
										
<p>By easily turning the head there are 3 nozzles selectable. Foam, rinse, disinfect for food industry.</p> <p>Reference: 140.145 Inlet ½" M BSP Out 50°150 15°30 25°50</p> <p>Rated Pressure 150 bar Rated Temperature 150°C Accessory type ●</p>	<p>By easily turning the head there are 2 nozzles selectable ¼" NPT and 1 prefixed Foam nozzle.</p> <p>Reference: 140.148 Inlet ½" M BSP Out 50°150 ¼" F NPT ¼" F NPT</p> <p>Rated Pressure 150 bar Rated Temperature 150°C Accessory type ●</p>	<p>Stainless steel interchangeable nozzles for food industry. Foam, Disinfect and rinse.</p> <table border="1" data-bbox="1023 1738 1422 1868"> <thead> <tr> <th>Colour/ Nozzle Type</th> <th>Reference</th> </tr> </thead> <tbody> <tr> <td>White 50/200</td> <td>140.155</td> </tr> <tr> <td>Yellow 25/50</td> <td>140.160</td> </tr> <tr> <td>Bleu 15/30</td> <td>140.165</td> </tr> </tbody> </table> <p>Stainless steel holder 140.655 Rated Temperature 100°C Accessory type ●</p>	Colour/ Nozzle Type	Reference	White 50/200	140.155	Yellow 25/50	140.160	Bleu 15/30	140.165
Colour/ Nozzle Type	Reference									
White 50/200	140.155									
Yellow 25/50	140.160									
Bleu 15/30	140.165									



Low pressure lances and nozzles

High flow POM lance with valve	Chemical spray lance	Gun for liquid transfer
		
<p>Stainless steel Ball valve with POM high flow foam lance. Perfect in combination with Foamatron</p>	<p>Stainless steel lance with Spray gun equipped with AISI316 ball resistant to chemicals.</p>	<p>Liquid transfer gun with trigger lock. PA, stainless steel and Viton seal.</p>
<p>Reference : 140.184 Inlet ¾" F BSP Foam nozzle 50/350 Rated Pressure 10 bar Rated Temperature 40°C Accessory type ●</p>	<p>Reference: 200510550 Inlet ½" F BSP Out Nozzle Rated Pressure 25 bar Rated Temperature 50°C Accessory type ●</p>	<p>Reference: 140.090 Inlet 1" swivel Rated flow 90 liter Rated Pressure 5 bar Rated Temperature 60°C Accessory type ●</p>





High pressure spray guns.

ST2700 Spray gun		ST2700 with ST3100 quick coupling		ST2720 with KW quick coupling	
					
<p>Stainless steel high pressure spray gun with LTF technology.</p>		<p>Stainless steel high pressure spray gun with LTF technology. Equipped with ST3100 QC and 360° swivel.</p>		<p>Stainless steel high pressure spray gun with LTF technology. Equipped with KW QC and 360° swivel.</p>	
Reference:	202700500	Reference:	202720550	Reference:	202700575
Inlet	3/8" F	Inlet	1/2" F swivel	Inlet	3/8" F swivel
Out	1/4" F	Out	ST3100 QC.	Out	KW QC
Rated Pressure	310 bar	Rated Pressure	125 bar	Rated Pressure	310 bar
Rated Temperature	150°C	Rated Temperature	150°C	Rated Temperature	150°C
Rated Flow Rate	45 Lpm.	Rated Flow Rate	80 Lpm.	Rated Flow Rate	45 Lpm.
Accessory type	●	Accessory type	●	Accessory type	●

High pressure Lances

<p>Bleu stainless steel lance with dynamic foam nozzle, suitable for all Click & clean HPJET systems. Equipped with integrated air injector it creates foam without the need of compressed air</p>							
							
Reference	Materials	Length mm	Inlet	Out	Max. press.	Max. temp	Accessoir type
200075572X	St. steel	600	KW nipple	Foam nozzle	250bar	150°C	●

<p>Black heatproof lance with KW nipple and nozzle protector. Pressure nozzles available from 20 – 400 bar – mainly used in food industry as high pressure rinse lance for outside cleaning applications under high pressure 200bar.</p>							
							
Reference	Materials	Length mm	Inlet	Out	Max. press.	Max. temp	Accessoir type
200028309	St. steel	900	1/4" M	1/4" F NPT	400bar	150°C	●



Green heatproof lance with KW nipple and nozzle protector. Pressure nozzles available from 20 – 400 bar – mainly used in food industry as 40 bar rinse lance in combination with Click & clean HPJET units.



Reference	Materials	Length mm	Inlet	Out	Max. press	Max. temp	Accessoir type
200029317	St. steel	900	¼" M	¼" F NPT	400bar	150°C	●

Bleu heatproof lance with KW nipple and nozzle protector. Pressure nozzles available from 20 – 400 bar – mainly used in food industry as 20 bar rinse lance in combination with Click & clean HPJET units.



Reference	Materials	Length mm	Inlet	Out	Max. press	Max. temp	Accessoir type
200029315	St. steel	900	¼" M	¼" F NPT	400bar	150°C	●

Red heatproof lance with KW nipple and nozzle protector. Pressure nozzles available from 20 – 400 bar – mainly used in food industry as 80 bar rinse lance in combination with Click & clean HPJET units.



Reference	Materials	Length mm	Inlet	Out	Max. press	Max. temp	Accessoir type
200029318	St. steel	900	¼" M	¼" F NPT	400bar	150°C	●

Yellow heatproof lance with KW nipple and nozzle protector. Pressure nozzles available from 20 – 400 bar – mainly used in food industry as 5bar non foaming spray disinfection lance in combination with Click & clean HPJET units.



Reference	Materials	Length mm	Inlet	Out	Max. press.	Max. temp	Accessoir type
200029316	St. steel	900	¼" M	¼" F NPT	400bar	150°C	●

Black turbo heatproof lance with KW nipple and turbo rotating nozzle.



Reference	Materials	Length mm	Inlet	Out	Max. press.	Max. temp	Accessoir type
200029309xturbo	St. steel	900	¼" M	¼" F NPT	400bar	150°C	●

Push & pull heatproof lance with KW nipple and nozzle protector. Pressure nozzles available from 20 – 400 bar



Reference	Materials	Length mm	Inlet	Out	Max. press.	Max. temp	Accessoir type
200085610	St. steel	900	¼" M	¼" F NPT	400bar	150°C	●



Quick couplings

ST246 quick couplings and plugs suitable with Snap-tite couplings			
Max. 350bar / 100°C			
			
Stainless steel. F thread.	Stainless steel nipple hardened. F thread.	Stainless steel nipple hardened M thread.	

Thread	DN	Reference	Reference	Reference
1/4	6		040 005 423	
3/8	8,5	710 246 238 000	710 246 138 001	
1/2	11	710 246 412 000	710 246 312 001	710 246 312 101
M22	6			040 005 424

ST3100 quick couplings and plugs			
Max.250bar / 150°C			
			
St. steel with isolation. F thread.	St. steel with isolation. M thread.	St. steel. F thread.	St. steel. M thread.

Thread	DN	Reference	Reference	Reference	Reference
1/4	10			040005665	
3/8	12	203100456	203100475	040005667	040005668
1/2	12	203100455	203100656	040005661	040005662

KW bayonet quick couplings an plugs			M22 quick screw couplings and plugs			
						
Coupling KW 1/4" M st.st.	Plug KW 1/4F	Plug KW 1/4M	M22 : M. St. steel. Max. 500 bar	M22 : F. St. steel. Max. 500 bar	M22 M : F. St. steel. Max. 500 bar	M22 M : M. St. steel. Max. 500 bar

| Reference |
|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| 202700355 | 040001255 | 040001256 | 1/4 56149 | 1/4 56139 | 1/4 56529 | 1/4 56539 |
| | | | 3/8 56169 | 3/8 56159 | 3/8 56549 | 3/8 56559 |
| | | | | | | 1/2 56569 |



Stainless steel mounting parts and accessories

Check valve 1/4" MM		Check valve 1/4" FF		Check valve 3/8"FF		Check valve 1/2"FF	
							
Opening pressure 0.05-01 bar. Max. 400bar/90°C EPDM Seal		Opening pressure 0.05-01 bar. Max. 400bar/90°C EPDM Seal		Opening pressure 0.05-01 bar. Max. 400bar/90°C EPDM Seal		Opening pressure 0.05-01 bar. Max. 400bar/90°C EPDM Seal	
Ref.	200264700	Ref.	200264500	Ref.	200264520	Ref.	200264541

Chemical Check valve 1/2" FF		Inline filter 50 micron 1/2" FF		1/2" F BSP 60° weld swivel		1/2" BSP 60° weld nipple	
							
AISI316 With chemical resistant PTFE seal. Max. 55bar/150°C		AISI316 Stainless steel 0.5mesh replaceable filter housing. Max. 55bar/150°C		AISI316 Stainless steel Weld swivel Ø18mm – G1/2" F BSP 60° swivel		AISI316 Stainless steel weld nipple Ø21,5 – G1/2" M BSP 60°	
Ref.	A-YCVG12-8I	Ref.	DAG112-8I 50M	Ref.	DKR12G12D 18	Ref.	629G12D215

Installation pipes for central and dé-central satellites.

Equipped with 1/2"swivel connection, chemical resistant check valve, lance and colored ball valve according the passing media.

Water supply	Air supply	Premixed Foam cleaner	Premixed disinfection	Premixed acid cleaning	Out to hose reel
					
Ref. 100.280B	Ref. 100.280W	Ref. 100.280G	Ref. 100.280Y	Ref. 100.280R	Ref. 100.281

Stainless steel Chemical container support for 1 or 2 x 25Liter.

	
1 x 25L	Ref. 270.100
2 x 25L	Ref.270.110



Hydraulic – water driven dosing pumps.



Dosatron is a solution for liquid to liquid precision dosing and mixing issues:

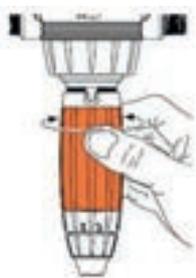
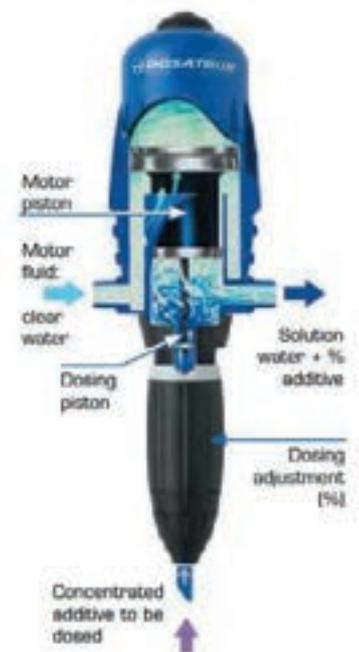
The DOSATRON water powered dosing pump is a simple and ingenious system that has demonstrated its value since many decades in about a hundred countries.

Installed directly in the water supply line, the Dosatron operates without electricity ; it uses the flow of water as the power source. The water activates the Dosatron, which takes up the required percentage of concentrate and injects it into the water. Inside the Dosatron, the concentrate is mixed with the water, and the water pressure forces the solution downstream.

Once adjusted, the dispenser requires no action or external control.

The dose of concentrate will be directly proportional to the volume of water entering the Dosatron, regardless of variations in flow and pressure which may occur in the main line.

The high dosing precision eliminates all risks of overdosing, thus contributing to respecting the environment.



Technology which is 100 %

- The dosing is proportional to the water passage and is independent of the flow and pressure fluctuations.
- Non electric
- Integrating all dosing and mixing functions.
- Independent and precise
- User-friendly
- Installation and maintenance-friendly
- Environment-respecting



VF	Viton seals	Seals for acidic additives
AF	EPDM seals	Seals for alkaline additives
K	Kalrez seals	Seals resistant to extreme aggressive acidic or alkaline chemicals.
PVDF	PVDF housing	Housing resistant to extreme aggressive acidic or alkaline chemicals.
IE	External chemical bypass	Chemical is injected after the pump.
BP	Water bypass	By using this switch the pump is out of use and passes only clear water.

● Standard ■ Optional ▲ Not available

		injection range	Operating pressure						
		%	Bar	AF	VF	K	PVDF	IE	BP
Water flow range: 5 – 700 liter / hour									
103.D 07 RE 125 VF		0.15 - 1.25	0,3 - 6		●	▲	■	▲	▲
103.D 07 RE 125 AF		0.15 - 1.25	0,3 - 6	●		▲	■	▲	▲
103.D 07 RE 5 VF		0.8 - 5.5	0,3 - 6		●	▲	■	▲	▲
103.D 07 RE 5 AF		0.8 - 5.5	0,3 - 6	●		▲	■	▲	▲
Water flow range: 10 – 3000 liter / hour									
103.D 3 RE 3000 VF		0.03 - 0.3	0.3 - 6		●	■	■	■	■
103.D 3 RE 3000 AF		0.03 - 0.3	0.3 - 6	●		■	■	■	■
103.D 3 RE 2 VF		0.2 - 2	0.3 - 6		●	■	■	■	■
103.D 3 RE 2 AF		0.2 - 2	0.3 - 6	●		■	■	■	■
103.D 3 RE 5 VF		0.5 - 5	0.3 - 6		●	■	■	■	■
103.D 3 RE 5 AF		0.5 - 5	0.3 - 6	●		■	■	■	■
103.D 3 RE 10 VF		1 - 10	0.3 - 6		●	■	■	■	■
103.D 3 RE 10 AF		1 - 10	0.3 - 6	●		■	■	■	■
103.D 3 RE 25 VF		5 - 25	0.3 - 4		●	■	■	■	■
103.D 3 RE 25 AF		5 - 25	0.3 - 4	●		■	■	■	■
Water flow range: 500 – 8000 liter / hour									
103.D 8 RE 2 VF		0.2 - 2	0.15 - 8		●	▲	▲	▲	▲
103.D 8 RE 2 AF		0.2 - 2	0.15 - 8	●		▲	▲	▲	▲
103.D 8 RE 5 VF		1 - 5	0.15 - 8		●	▲	▲	▲	▲
103.D 8 RE 5 AF		1 - 5	0.15 - 8	●		▲	▲	▲	▲
Water flow range: 1000 – 20.000 liter / hour									
103.D 20 S		0.2 - 2	0-12 - 10	■	●	▲	▲	▲	▲



2 – 6 bar City water pressure – water tap cleaning systems.

Foamatron low pressure foam generator.



The Foamatron low pressure foam generator is designed primarily for cleaning and sanitizing in transport and food processing facilities. It can be used wherever foam cleaning is necessary

The Foamatron is a low pressure (tap water) cleaning system which is made for automatic dosing of water with a chemical. It transforms the mixture automatically to a superb foam.

The Foamatron doesn't need electricity, it requires only water and a chemical agent. Foam can be made with or without compressed air with the use of a dynamic foam head that can be attached to the spraygun.



References

100.147X5AF
100.147X5VF

Description

For applications with alkaline and chlorine additives
For applications with acidic additives

Foamatron units are Standard equipped with.

- Hydraulic chemical injector with water bypass for rinse applications.
- Supply and foam collector with stainless steel back plate and telescopic adapters.
- BA antipollution check valve with relieve.
- CA check valve with air relieve.
- Air pressure regulator for dry/wet foam.
- Valve switch foam / Rinse.

Optional on dosing pumps:

Dosing pump with PVDF housing for extreme aggressive chemicals.

Optional versions:

Mobile version

See mobile cleaning units in this catalogue



Technical data:

Functions:	<ul style="list-style-type: none"> • Foam cleaning • Clear water rinse
Water inlet	G3/4" BSP
Required water supply:	2 – 6 bar
Allowed water temperature:	0 – 40°C
Air inlet:	1/4" F
Required air supply:	1 – 6 bar
Chemical dosing ratio:	1 – 5%
Exit to wash-down hose:	G3/4" BSP
Max. hose lengths:	20 meter for 1/2" hoses 30 meter for 3/4" hoses

Hygienic version

Build in stainless steel cabinet for units placed in high care food production zones. (accessories not included)





Ecospray double spray cleaning system with rinse position

The Ecospray sanitation dispensing system automatically dilutes and dispenses concentrated cleaning products in a spraying mode. Different models are available depending on hose lengths, both of which provide the end user with full volume rinse.

Ideal for use in all heavy duty cleaning applications in food processing, restaurant and commercial kitchens, hospitals, abattoirs, dairies, vehicle washing and many more.

Simple, clean, robust and budget friendly design includes chemical injectors constructed of chemical resistant PVDF and stainless steel back plate and cover.

FDA approved food grade hose and ergonomic spray gun with stainless steel 360° turning swivel.



References

100.165X15
100.165x20

Description

Equipped with 15 meter wash down hose
Equipped with 20 meter wash down hose

Ecospray units are Standard equipped with.

- High chemical resistant PVDF double chemical injector with water bypass for rinse applications.
- Wall plate and cover in stainless steel
- BA antipollution check valve with relieve.
- 1 handle selector valve for 3 positions.
- Quick coupling from Ecospray to wash-down hose makes it 360° turning and quickly changeable.
- FDA approved 15/20 meter wash-down hose with AISI316 couplings.
- Ergonomic spray gun with adjustable spray angle and stainless steel 360° turning swivel.

Optional:

Stainless steel canister holder for 2 x 10 or 2 x 25 liter.

Technical data:

Functions:	<ul style="list-style-type: none"> • spray cleaning of 2 different chemicals. • Clear water rinse
Water inlet	G3/4" BSP
Required water supply:	2 – 6bar
Allowed water temperature:	0 – 70°C
Max. water passage in rinse:	50 Lpm
Max. water passage in chemical spray	18 Lpm
Chemical dosing ratio:	0.15 – 15%
Exit to wash-down hose:	QC. nipple
Available hose lengths:	15 meter Foodflex hose 20 meter Foodflex hose





Decontamination shower gate of vehicles and equipment

Used during outbreaks of animal diseases.

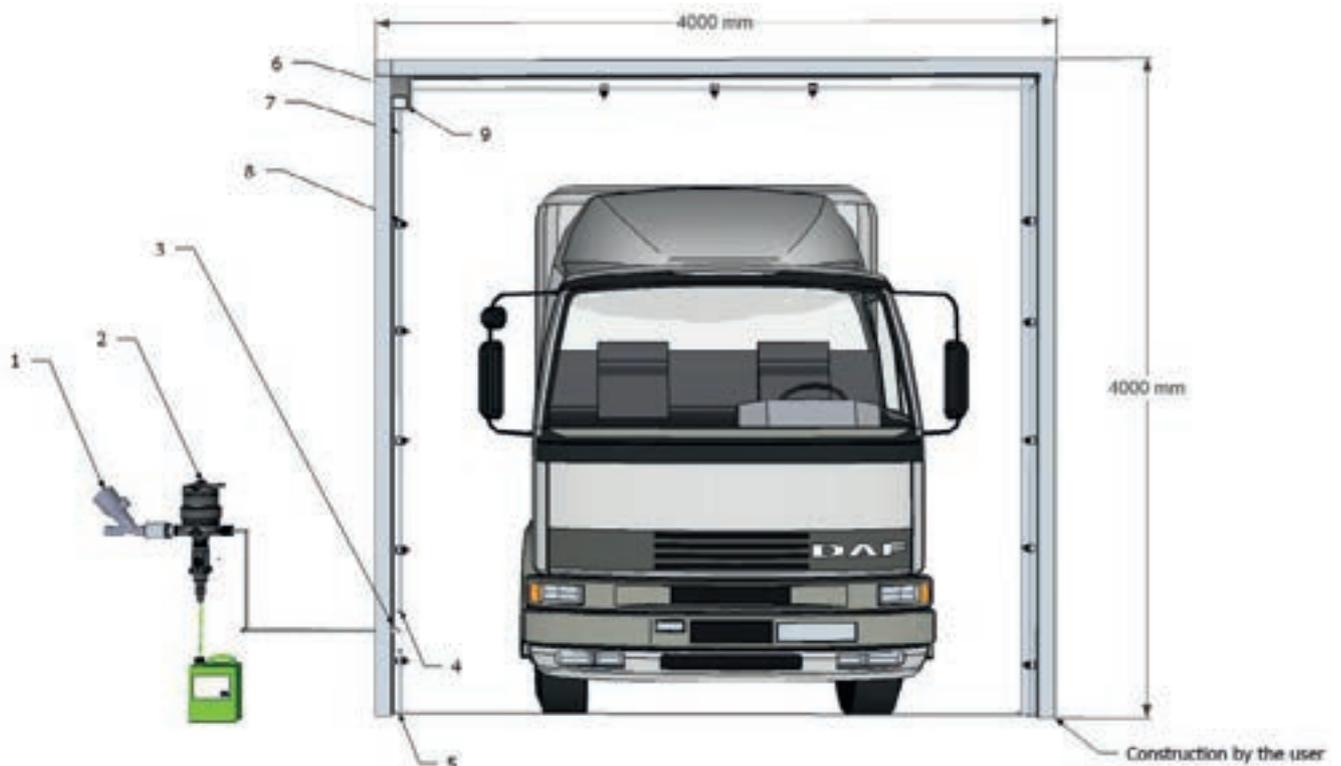


Decontamination spray set arc who is easy to install by the Handy man.

The arc kit is complete delivered with a solenoid valve, hydraulic dosing pump, movement sensor, pipe work (3 x 4 meter) threaded connection fitting, T- cutting ring fitting, 2 x 90° elbow cutting ring fittings, 2 x blind cap fittings, 13 x quick connect nozzles with clamps.

The system is easy to install and must be connected to 230V network and the low pressure waterline.

Standard construction of 4 to 4 meter is the most used construction but the arc can be adapted in the size the user decides. In height or length. Also the spray nozzles, can be placed where they be best fitted for the construction to get a 100% cover over the vehicle.





The Decontamination shower gate is mainly used by:

- Animal farms.
- Nurseries and plantations where cross-contamination is possible.
- Suppliers to animal farms.
- Food production factories.
- Applications when pandemic occurs.
- Military vehicles.
- Waste processing
- Chemical companies

Above companies always should have this unit in stock to be able to intervene immediately if necessary.



Ref.: 140.930

Technical data

Electrical connection:	1 x 230V
Water connection:	G1 ¼"
Water supply pressure:	2 – 6bar
Water flow:	60 – 120Lpm
Water temperature:	5 – 40°C – Must be kept Frost-Free
Chemical Dosing ratio:	0.5 – 5%.
Pipe work that must be connected to a support contracture.	4000x4000x4000mm

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